



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 19980

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Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
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PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
19980	SIB-SC-B13-1-2-07/05/2022	19980001	SE	✓
19980	SIB-SC-B13-2-3-07/05/2022	19980002	SE	✓
19980	SIB-SC-B13-3-4-07/05/2022	19980003	SE	✓
19980	SIB-SC-B13-4-5-07/05/2022	19980004	SE	✓
19980	SIB-SC-B13-5-6-07/05/2022	19980005	SE	✓
19980	SIB-SC-D23-1-2-07/06/2022	19980006	SE	✓
19980	SIB-SC-D23-2-3-07/06/2022	19980007	SE	✓
19980	SIB-SC-D23-3-4-07/06/2022	19980008	SE	✓
19980	SIB-SC-D23-4-5-07/06/2022	19980009	SE	✓
19980	SIB-SC-D23-5-6-07/06/2022	19980010	SE	✓
19980	SIB-SC-D22-1-2-07/06/2022	19980011	SE	✓
19980	SIB-SC-D22-2-3-07/06/2022	19980012	SE	✓
19980	SIB-SC-D22-3-4-07/06/2022	19980013	SE	✓
19980	SIB-SC-D22-4-5-07/06/2022	19980014	SE	✓
19980	SIB-SC-D22-5-6-07/06/2022	19980015	SE	✓
19980	SIB-SC-E26-1-2-07/06/2022	19980016	SE	✓
19980	SIB-SC-E26-2-3-07/06/2022	19980017	SE	✓
19980	SIB-SC-E26-3-4-07/06/2022	19980018	SE	✓
19980	FD-01-07/06/2022	19980019	SE	✓
19980	SIB-SC-E26-4-5-07/06/2022	19980020	SE	✓
19980	SIB-SC-E26-5-6-07/06/2022	19980021	SE	✓
19980	SIB-SC-C23-1-2-07/06/2022	19980022	SE	✓
19980	SIB-SC-C23-2-3-07/06/2022	19980023	SE	✓
19980	SIB-SC-C23-3-4-07/06/2022	19980026	SE	✓
19980	SIB-SC-C23-4-5-07/06/2022	19980027	SE	✓
19980	SIB-SC-C23-5-6-07/06/2022	19980028	SE	✓
19980	SIB-SC-C33-1-2-07/07/2022	19980029	SE	✓
19980	SIB-SC-C33-2-3-07/07/2022	19980030	SE	✓
19980	SIB-SC-C33-3-4-07/07/2022	19980031	SE	✓
19980	SIB-SC-C33-4-5-07/07/2022	19980032	SE	✓
19980	SIB-SC-C33-5-6-07/07/2022	19980033	SE	✓
19980	SIB-SC-D33-1-2-07/07/2022	19980034	SE	✓
19980	SIB-SC-D33-2-3-07/07/2022	19980035	SE	✓
19980	SIB-SC-D33-3-4-07/07/2022	19980036	SE	✓
19980	SIB-SC-D33-4-5-07/07/2022	19980037	SE	✓
19980	SIB-SC-D33-5-6-07/07/2022	19980038	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
19980	36 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 2° to 6°C. The laboratory received the sample coolers within the advisory temperature range.

Sample SIB-SC-C33-2-3-07/07/2022 has a collection time of 10:36 on the chain-of-custody (COC) but was logged in with a time of 10:33. No action was taken.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50409:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-B13-1-2-07/05/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-B13-2-3-07/05/2022	2,3,7,8-TCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B13-3-4-07/05/2022	2,3,7,8-TCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B13-4-5-07/05/2022	1,2,3,4,7,8-HxCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B13-5-6-07/05/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-D22-4-5-07/06/2022	2,3,7,8-TCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D22-5-6-07/06/2022	2,3,7,8-TCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E26-3-4-07/06/2022	1,2,3,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL

Extraction Batch 50416:

CLIENT ID	ANALYTE	QUALIFIER
FD-01-07/06/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E26-4-5-07/06/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E26-5-6-07/06/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SC-C23-2-3-07/06/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C33-4-5-07/07/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D33-1-2-07/07/2022	1,2,3,4,7,8-HxCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-D33-2-3-07/07/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D33-3-4-07/07/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50416, MS/MSD analyses were performed using Sample SIB-SC-C23-2-3-07/06/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	178	428	57.5	J-MSH,MSP
1,2,3,4,6,7,8-HpCDF	OK	173	33.8	J-MSH,MSP
OCDF	OK	212	45.7	J-MSH,MSP
OCDD	Parent conc > 4x spike		69.4	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-E26-3-4-07/06/2022 & FD-01-07/06/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate sample RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Other data were estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.602	pg/g	BJ	U	MBL	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.246	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0608	pg/g				✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.358	pg/g				✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.252	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	Heptachlorodibenzo-P-Dioxin	4.59	pg/g	J			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	HEXACHLORODIBENZOFURAN	0.594	pg/g	BJK	J	VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.49	pg/g	JK	J	VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16.3	pg/g				✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	PENTACHLORO DIBENZOFURAN	0.522	pg/g	BJK	J	VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.252	pg/g	BJK	J	VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.572	pg/g	JK	J	VJ	
SIB-SC-B13-1-2-07/05/2022	19980001	E1613B	TOTAL HpCDFs	0.602	pg/g	BJ			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.327	pg/g	BJ	U	MBL	
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.59	pg/g	J			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0528	pg/g				✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.318	pg/g				✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.293	pg/g	BJ	U	MBL	
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	Heptachlorodibenzo-P-Dioxin	4.56	pg/g	J			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	HEXACHLORODIBENZOFURAN	0.198	pg/g	BJK	J	VJ	
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.34	pg/g	J			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14.4	pg/g				✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	PENTACHLORO DIBENZOFURAN	0.315	pg/g	BJ			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.186	pg/g	JK	J	VJ	
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.293	pg/g	BJ			✓
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.35	pg/g	JK	J	VJ	
SIB-SC-B13-2-3-07/05/2022	19980002	E1613B	TOTAL HpCDFs	0.327	pg/g	BJ			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.253	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.63	pg/g	JK	J	VJ	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0413	pg/g				✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.305	pg/g				✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.184	pg/g	BJ	U	MBL	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	Heptachlorodibenzo-P-Dioxin	4.88	pg/g	JK	J	VJ	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.39	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.5	pg/g				✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	PENTACHLORO DIBENZOFURAN	0.115	pg/g	BJK	J	VJ	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.184	pg/g	BJ			✓
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.582	pg/g	JK	J	VJ	
SIB-SC-B13-3-4-07/05/2022	19980003	E1613B	TOTAL HpCDFs	0.253	pg/g	BJK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.524	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.77	pg/g	JK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.223	pg/g	BJ	U	MBL	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.467	pg/g	J			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.178	pg/g	BJ	U	MBL	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.137	pg/g				✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.372	pg/g				✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.214	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	Heptachlorodibenzo-P-Dioxin	7.95	pg/g	JK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	HEXACHLORODIBENZOFURAN	0.223	pg/g	BJ			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.58	pg/g	JK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	28.2	pg/g				✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	PENTACHLORO DIBENZOFURAN	0.332	pg/g	BJK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.451	pg/g	BJK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.536	pg/g	JK	J	VJ	
SIB-SC-B13-4-5-07/05/2022	19980004	E1613B	TOTAL HpCDFs	0.524	pg/g	BJK	J	VJ	
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.721	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2	pg/g	J			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0321	pg/g				✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.336	pg/g				✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	Heptachlorodibenzo-P-Dioxin	4.91	pg/g	J			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	HEXACHLORODIBENZOFURAN	0.253	pg/g	BJ			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.61	pg/g	J			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16.2	pg/g				✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	PENTACHLORO DIBENZOFURAN	0.391	pg/g	BJK	J	VJ	
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.561	pg/g	J			✓
SIB-SC-B13-5-6-07/05/2022	19980005	E1613B	TOTAL HpCDFs	0.721	pg/g	BJK	J	VJ	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	260	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	919	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	20.9	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	38.5	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.1	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	37.6	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	7.34	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	22.3	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.37	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	8.06	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.5	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	43.6	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	43.6	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.91	pg/g		DNR	EXC	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.92	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.73	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	Heptachlorodibenzo-P-Dioxin	1870	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	HEXACHLORODIBENZOFURAN	403	pg/g	J			✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	294	pg/g	J			✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	OCTACHLORODIBENZOFURAN	740	pg/g				✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10900	pg/g	E	J	ACR	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	PENTACHLORO DIBENZOFURAN	143	pg/g	JK	J	VJ	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	46.7	pg/g	J			✓
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.5	pg/g	K	J	VJ	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.6	pg/g	JK	J	VJ	
SIB-SC-D23-1-2-07/06/2022	19980006	E1613B	TOTAL HpCDFs	1000	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	45.9	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	233	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.07	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.78	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.88	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.12	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.69	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.33	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.5	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.06	pg/g	BJ			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.92	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.98	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.18	pg/g	J			✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.5	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.5	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.27	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.27	pg/g	K	DNR	EXC	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.499	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	Heptachlorodibenzo-P-Dioxin	501	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	HEXACHLORODIBENZOFURAN	77.4	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	77.1	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	OCTACHLORODIBENZOFURAN	142	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3260	pg/g				✓
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	PENTACHLORO DIBENZOFURAN	49.5	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.1	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.6	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.19	pg/g	JK	J	VJ	
SIB-SC-D23-2-3-07/06/2022	19980007	E1613B	TOTAL HpCDFs	172	pg/g	JK	J	VJ	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	58.3	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	275	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.79	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.31	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.04	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.16	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.25	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.91	pg/g	BJ			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.82	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.08	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.6	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.7	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.8	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.98	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	pg/g		DNR	EXC	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.73	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	Heptachlorodibenzo-P-Dioxin	631	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	HEXACHLORODIBENZOFURAN	96.7	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	92.9	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	OCTACHLORODIBENZOFURAN	159	pg/g				✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3940	pg/g	E	J	ACR	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	PENTACHLORO DIBENZOFURAN	52.4	pg/g	JK	J	VJ	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.5	pg/g	J			✓
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	30.1	pg/g	JK	J	VJ	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7	pg/g	JK	J	VJ	
SIB-SC-D23-3-4-07/06/2022	19980008	E1613B	TOTAL HpCDFs	225	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	56.3	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	243	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.39	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.74	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.83	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.64	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.17	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.72	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.17	pg/g	BJ			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.86	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.04	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.4	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.5	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.91	pg/g	B	DNR	EXC	
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.58	pg/g	B			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.62	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	Heptachlorodibenzo-P-Dioxin	569	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	HEXACHLORODIBENZOFURAN	90.6	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.8	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	OCTACHLORODIBENZOFURAN	161	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3730	pg/g				✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	PENTACHLORO DIBENZOFURAN	48.6	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.2	pg/g	J			✓
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.9	pg/g	JK	J	VJ	
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.53	pg/g	JK	J	VJ	
SIB-SC-D23-4-5-07/06/2022	19980009	E1613B	TOTAL HpCDFs	207	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	61.6	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	305	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.07	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.02	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.47	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.3	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.76	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.39	pg/g	BJ			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.96	pg/g	JK	J	VJ	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.4	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.4	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.8	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.8	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.77	pg/g	B			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	pg/g		DNR	EXC	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.725	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	Heptachlorodibenzo-P-Dioxin	708	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	HEXACHLORODIBENZOFURAN	108	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	115	pg/g	J			✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	OCTACHLORODIBENZOFURAN	175	pg/g				✓
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4540	pg/g	E	J	ACR	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	PENTACHLORO DIBENZOFURAN	57	pg/g	JK	J	VJ	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.6	pg/g	JK	J	VJ	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.7	pg/g	JK	J	VJ	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.34	pg/g	JK	J	VJ	
SIB-SC-D23-5-6-07/06/2022	19980010	E1613B	TOTAL HpCDFs	234	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	55.2	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	228	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.4	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.49	pg/g	K	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.48	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.61	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.39	pg/g	BJ			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.25	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.17	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.58	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.57	pg/g	B	DNR	EXC	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.5	pg/g	B			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	Heptachlorodibenzo-P-Dioxin	461	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	HEXACHLORODIBENZOFURAN	85.2	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	65.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	OCTACHLORODIBENZOFURAN	167	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3090	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	PENTACHLORO DIBENZOFURAN	38.6	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.6	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.91	pg/g	K	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.4	pg/g	K	J	VJ	
SIB-SC-D22-1-2-07/06/2022	19980011	E1613B	TOTAL HpCDFs	209	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	96.2	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	456	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.12	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.74	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.28	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.25	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.59	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.5	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.24	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.82	pg/g	K	J	VJ	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.95	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.69	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.5	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.5	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.19	pg/g		DNR	EXC	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.15	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.1	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	Heptachlorodibenzo-P-Dioxin	1000	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	HEXACHLORODIBENZOFURAN	164	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	151	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	OCTACHLORODIBENZOFURAN	286	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6540	pg/g	E	J	ACR	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	PENTACHLORO DIBENZOFURAN	87.5	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	25.8	pg/g	JK	J	VJ	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.4	pg/g	JK	J	VJ	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.7	pg/g	JK	J	VJ	
SIB-SC-D22-2-3-07/06/2022	19980012	E1613B	TOTAL HpCDFs	362	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	48.9	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	226	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.19	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.43	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.75	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.31	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.03	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.919	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.32	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.27	pg/g	BJ			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.33	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.83	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.49	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.87	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.08	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.33	pg/g	B	DNR	EXC	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.28	pg/g	B			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	Heptachlorodibenzo-P-Dioxin	512	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	HEXACHLORODIBENZOFURAN	74.2	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	77.2	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	OCTACHLORODIBENZOFURAN	180	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3440	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	PENTACHLORO DIBENZOFURAN	44.7	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	PENTACHLORODIBENZO-P-DIOXIN	15	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.3	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.9	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	19980013	E1613B	TOTAL HpCDFs	187	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	84	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.21	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.62	pg/g	BJ			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.36	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.438	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.91	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.432	pg/g	BJ	U	MBL	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.471	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.921	pg/g	J	U	MBL	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.14	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.27	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.586	pg/g	BJ	U	MBL	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	Heptachlorodibenzo-P-Dioxin	185	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	HEXACHLORODIBENZOFURAN	26.6	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	30.1	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	OCTACHLORODIBENZOFURAN	43	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1110	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	PENTACHLORO DIBENZOFURAN	15	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.82	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.52	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	19980014	E1613B	TOTAL HpCDFs	58.2	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	25	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	170	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.95	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.44	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.37	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.525	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.778	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.59	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.9	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.94	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.82	pg/g	BJ	U	MBL	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.386	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	Heptachlorodibenzo-P-Dioxin	358	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	HEXACHLORODIBENZOFURAN	38.9	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41.1	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	OCTACHLORODIBENZOFURAN	143	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2370	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	PENTACHLORO DIBENZOFURAN	20.3	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.8	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.5	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.31	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	19980015	E1613B	TOTAL HpCDFs	117	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	74.5	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	349	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.82	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.21	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.38	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.67	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.88	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.49	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.16	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.21	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.16	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.3	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.4	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.89	pg/g		DNR	EXC	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.96	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.469	pg/g	JK	J	VJ	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	Heptachlorodibenzo-P-Dioxin	726	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	HEXACHLORODIBENZOFURAN	107	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	82.7	pg/g	J			✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	OCTACHLORODIBENZOFURAN	329	pg/g				✓
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4700	pg/g	E	J	ACR	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	PENTACHLORO DIBENZOFURAN	50.5	pg/g	JK	J	VJ	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.5	pg/g	JK	J	VJ	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.7	pg/g	JK	J	VJ	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.24	pg/g	JK	J	VJ	
SIB-SC-E26-1-2-07/06/2022	19980016	E1613B	TOTAL HpCDFs	340	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	148	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	664	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.49	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.75	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.9	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.62	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.89	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.63	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.79	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.6	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.6	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.27	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.43	pg/g		DNR	EXC	
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.3	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	Heptachlorodibenzo-P-Dioxin	1500	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	HEXACHLORODIBENZOFURAN	231	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	225	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	OCTACHLORODIBENZOFURAN	383	pg/g				✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9710	pg/g	E	J	ACR	
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	PENTACHLORO DIBENZOFURAN	109	pg/g	JK	J	VJ	
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	56.1	pg/g	J			✓
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.3	pg/g	JK	J	VJ	
SIB-SC-E26-2-3-07/06/2022	19980017	E1613B	TOTAL HpCDFs	527	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	68.5	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	104	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.47	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.09	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.55	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.86	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.815	pg/g	BJ	U	MBL	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.951	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.47	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.5	pg/g	J			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.72	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.95	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.842	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	Heptachlorodibenzo-P-Dioxin	265	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	HEXACHLORODIBENZOFURAN	64.3	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41.2	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	OCTACHLORODIBENZOFURAN	99.1	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1990	pg/g				✓
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	PENTACHLORO DIBENZOFURAN	54.3	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.68	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.27	pg/g	JK	J	VJ	
SIB-SC-E26-3-4-07/06/2022	19980018	E1613B	TOTAL HpCDFs	172	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	69	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	115	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.33	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.45	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.867	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.97	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.69	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.992	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.91	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.855	pg/g	BJ	U	MBL	
FD-01-07/06/2022	19980019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.99	pg/g	BJK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.1	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.92	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.77	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.77	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.95	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.247	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	Heptachlorodibenzo-P-Dioxin	259	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	HEXACHLORODIBENZOFURAN	78.7	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.1	pg/g	J			✓
FD-01-07/06/2022	19980019	E1613B	OCTACHLORODIBENZOFURAN	104	pg/g				✓
FD-01-07/06/2022	19980019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1830	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-01-07/06/2022	19980019	E1613B	PENTACHLORO DIBENZOFURAN	71.2	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.58	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.1	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.75	pg/g	JK	J	VJ	
FD-01-07/06/2022	19980019	E1613B	TOTAL HpCDFs	178	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	35.7	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	28.2	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.677	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	BJ	U	MBL	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.77	pg/g	BJ			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.739	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.414	pg/g	BJ	U	MBL	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.47	pg/g	BJ	U	MBL	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.45	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.59	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.438	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	Heptachlorodibenzo-P-Dioxin	68.4	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	HEXACHLORODIBENZOFURAN	31.7	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	13	pg/g	J			✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	OCTACHLORODIBENZOFURAN	29.1	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	489	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	PENTACHLORO DIBENZOFURAN	38.7	pg/g	JK	J	VJ	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.42	pg/g	JK	J	VJ	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.1	pg/g	JK	J	VJ	
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.92	pg/g				✓
SIB-SC-E26-4-5-07/06/2022	19980020	E1613B	TOTAL HpCDFs	72.2	pg/g	J			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.1	pg/g	BJ	U	MBL	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.24	pg/g	BJ			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.301	pg/g	BJ	U	MBL	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.238	pg/g	BJ	U	MBL	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.214	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.202	pg/g	BJ	U	MBL	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.157	pg/g				✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.402	pg/g				✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.244	pg/g	JK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	Heptachlorodibenzo-P-Dioxin	4.61	pg/g	J			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	HEXACHLORODIBENZOFURAN	2.31	pg/g	BJK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.867	pg/g	JK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	OCTACHLORODIBENZOFURAN	2.43	pg/g	BJ			✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	25.9	pg/g				✓
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	PENTACHLORO DIBENZOFURAN	2.31	pg/g	BJK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.375	pg/g	BJK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.244	pg/g	BJK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.212	pg/g	JK	J	VJ	
SIB-SC-E26-5-6-07/06/2022	19980021	E1613B	TOTAL HpCDFs	4.35	pg/g	BJ			✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	129	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	530	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.93	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	24.7	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.05	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.98	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.2	pg/g	J			✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.02	pg/g	K	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.08	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.4	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.43	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.02	pg/g		DNR	EXC	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.458	pg/g	J			✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	Heptachlorodibenzo-P-Dioxin	1080	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	HEXACHLORODIBENZOFURAN	203	pg/g	JK	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	142	pg/g	J			✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	OCTACHLORODIBENZOFURAN	374	pg/g				✓
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4750	pg/g	E	J	ACR	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	PENTACHLORO DIBENZOFURAN	79.1	pg/g	JK	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.6	pg/g	JK	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.3	pg/g	JK	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-C23-1-2-07/06/2022	19980022	E1613B	TOTAL HpCDFs	470	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.9	pg/g		J	MSH,MSP	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	130	pg/g		J	MSH,MSP	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.89	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.25	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.9	pg/g	JK	J	VJ	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.42	pg/g	BJ			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.07	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.44	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.572	pg/g	BJ	U	MBL	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.912	pg/g	BJK	J	VJ	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.58	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.98	pg/g				✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.21	pg/g				✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	Heptachlorodibenzo-P-Dioxin	281	pg/g				✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	HEXACHLORODIBENZOFURAN	43.8	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	32	pg/g	JK	J	VJ	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	OCTACHLORODIBENZOFURAN	83.9	pg/g		J	MSH,MSP	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1230	pg/g		J	MSP	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	PENTACHLORO DIBENZOFURAN	17.4	pg/g	J			✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.23	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.16	pg/g	JK	J	VJ	
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.96	pg/g				✓
SIB-SC-C23-2-3-07/06/2022	19980023	E1613B	TOTAL HpCDFs	110	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	43.5	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	209	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.87	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.57	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.86	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.7	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.29	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.2	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.15	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.94	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.48	pg/g	BJK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.86	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.97	pg/g	J			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.81	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.02	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.79	pg/g		DNR	EXC	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.12	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	Heptachlorodibenzo-P-Dioxin	417	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	HEXACHLORODIBENZOFURAN	78.9	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	63.7	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	OCTACHLORODIBENZOFURAN	111	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2400	pg/g				✓
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	PENTACHLORO DIBENZOFURAN	42.7	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	PENTACHLORODIBENZO-P-DIOXIN	11.6	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.6	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.72	pg/g	JK	J	VJ	
SIB-SC-C23-3-4-07/06/2022	19980026	E1613B	TOTAL HpCDFs	162	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	185	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	958	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.4	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.3	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.41	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	43.3	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.14	pg/g	J			✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.6	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.58	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.37	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.08	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	40.1	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	40.1	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.26	pg/g		DNR	EXC	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.02	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.38	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	Heptachlorodibenzo-P-Dioxin	2110	pg/g	E	J	ACR	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	HEXACHLORODIBENZOFURAN	298	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	349	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	OCTACHLORODIBENZOFURAN	554	pg/g				✓
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15500	pg/g	E	J	ACR	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	PENTACHLORO DIBENZOFURAN	196	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	PENTACHLORODIBENSO-P-DIOXIN	63	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	78.2	pg/g	K	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	TETRACHLORODIBENZO-P-DIOXIN	24.4	pg/g	JK	J	VJ	
SIB-SC-C23-4-5-07/06/2022	19980027	E1613B	TOTAL HpCDFs	665	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	83.9	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	495	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.23	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.48	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.76	pg/g	J			✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.39	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.2	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.03	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.89	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.85	pg/g	J			✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.43	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.97	pg/g	J			✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.3	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.08	pg/g		DNR	EXC	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.15	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.1	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	Heptachlorodibenzo-P-Dioxin	1070	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	HEXACHLORODIBENZOFURAN	135	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	HEXACHLORODIBENZO-P-DIOXIN	161	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	OCTACHLORODIBENZOFURAN	251	pg/g				✓
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7640	pg/g	E	J	ACR	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	PENTACHLORO DIBENZOFURAN	82	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	PENTACHLORODIBENSO-P-DIOXIN	28.7	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.2	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.74	pg/g	JK	J	VJ	
SIB-SC-C23-5-6-07/06/2022	19980028	E1613B	TOTAL HpCDFs	299	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	80.6	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	492	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.62	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.51	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.37	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.32	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.9	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.71	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.4	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.71	pg/g	BJ			✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.21	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.67	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.7	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.1	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.1	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.34	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.05	pg/g		DNR	EXC	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.35	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	Heptachlorodibenzo-P-Dioxin	1070	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	HEXACHLORODIBENZOFURAN	137	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	HEXACHLORODIBENZO-P-DIOXIN	224	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	OCTACHLORODIBENZOFURAN	222	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6960	pg/g	E	J	ACR	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	PENTACHLORO DIBENZOFURAN	99	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.3	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	50.1	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	TETRACHLORODIBENSO-P-DIOXIN	16.1	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	19980029	E1613B	TOTAL HpCDFs	282	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.7	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	126	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.41	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	BJ	U	MBL	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.31	pg/g	BJK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.34	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.85	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.53	pg/g	BJ	U	MBL	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.999	pg/g	BJK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.47	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.18	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.36	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.6	pg/g		DNR	EXC	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.86	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	Heptachlorodibenzo-P-Dioxin	280	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	HEXACHLORODIBENZOFURAN	30.9	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	HEXACHLORODIBENZO-P-DIOXIN	55.6	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	OCTACHLORODIBENZOFURAN	50.9	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1920	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	PENTACHLORO DIBENZOFURAN	25.4	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.43	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.6	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.94	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	19980030	E1613B	TOTAL HpCDFs	63.9	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	153	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	860	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.2	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.03	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	39.6	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.33	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.28	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.75	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.07	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.85	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	33.9	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	33.9	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.41	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.35	pg/g		DNR	EXC	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.53	pg/g	K	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	Heptachlorodibenzo-P-Dioxin	1890	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	HEXACHLORODIBENZOFURAN	241	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	HEXACHLORODIBENZO-P-DIOXIN	319	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	OCTACHLORODIBENZOFURAN	519	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10800	pg/g	E	J	ACR	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	PENTACHLORO DIBENZOFURAN	152	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	PENTACHLORODIBENSO-P-DIOXIN	50.7	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.1	pg/g	K	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.2	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	19980031	E1613B	TOTAL HpCDFs	546	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.7	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	96.6	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.53	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.61	pg/g	BJ			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.991	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.91	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.71	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.552	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.09	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.628	pg/g	BJ	U	MBL	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.883	pg/g	BJ			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	BJ			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.07	pg/g	BJ			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.23	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.38	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.875	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	Heptachlorodibenzo-P-Dioxin	225	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	HEXACHLORODIBENZOFURAN	31.7	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.7	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	OCTACHLORODIBENZOFURAN	52.6	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1670	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	PENTACHLORO DIBENZOFURAN	22.6	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.82	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.61	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.03	pg/g	K	J	VJ	
SIB-SC-C33-4-5-07/07/2022	19980032	E1613B	TOTAL HpCDFs	70.6	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	115	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	650	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.36	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.47	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.73	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.69	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.7	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.4	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.94	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.44	pg/g	K	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.61	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.94	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.2	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.2	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.05	pg/g		DNR	EXC	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.1	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.43	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	Heptachlorodibenzo-P-Dioxin	1440	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	HEXACHLORODIBENZOFURAN	177	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	HEXACHLORODIBENZO-P-DIOXIN	244	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	OCTACHLORODIBENZOFURAN	387	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10400	pg/g	E	J	ACR	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	PENTACHLORO DIBENZOFURAN	108	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.9	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.9	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	TETRACHLORODIBENSO-P-DIOXIN	14	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	19980033	E1613B	TOTAL HpCDFs	429	pg/g	J			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.66	pg/g	B			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	31.7	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.499	pg/g	J			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.779	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.617	pg/g	BJ	U	MBL	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.63	pg/g	J			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.701	pg/g	JK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.272	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.422	pg/g	BJ	U	MBL	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.456	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.16	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.49	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.677	pg/g	J			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	Heptachlorodibenzo-P-Dioxin	69.8	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	HEXACHLORODIBENZOFURAN	9.71	pg/g	JK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	HEXACHLORODIBENZO-P-DIOXIN	13.1	pg/g	JK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	OCTACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	OCTACHLORODIBENZO-P-DIOXIN	484	pg/g				✓
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	PENTACHLORO DIBENZOFURAN	6.57	pg/g	BJK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.45	pg/g	BJK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.93	pg/g	BJK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.34	pg/g	JK	J	VJ	
SIB-SC-D33-1-2-07/07/2022	19980034	E1613B	TOTAL HpCDFs	19.6	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.6	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	167	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.22	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.22	pg/g	BJ			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.01	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.739	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.95	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.703	pg/g	BJ	U	MBL	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.47	pg/g	BJK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.83	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.54	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.54	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.32	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g		DNR	EXC	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.432	pg/g	J			✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	Heptachlorodibenzo-P-Dioxin	348	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	HEXACHLORODIBENZOFURAN	48.9	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	HEXACHLORODIBENZO-P-DIOXIN	75.1	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	OCTACHLORODIBENZOFURAN	74.6	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2210	pg/g				✓
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	PENTACHLORO DIBENZOFURAN	32.7	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.6	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.3	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.17	pg/g	JK	J	VJ	
SIB-SC-D33-2-3-07/07/2022	19980035	E1613B	TOTAL HpCDFs	99.4	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.5	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	85.3	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.43	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	pg/g	BJ			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.861	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.96	pg/g	J			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.93	pg/g	J			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.503	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.54	pg/g	J			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.816	pg/g	BJ	U	MBL	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.574	pg/g	BJ	U	MBL	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.42	pg/g	J			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.39	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.77	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.9	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.889	pg/g	J			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	Heptachlorodibenzo-P-Dioxin	190	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	HEXACHLORODIBENZOFURAN	31.2	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	HEXACHLORODIBENZO-P-DIOXIN	29.3	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	OCTACHLORODIBENZOFURAN	51.6	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1280	pg/g				✓
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	PENTACHLORO DIBENZOFURAN	22.6	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.89	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.26	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.6	pg/g	JK	J	VJ	
SIB-SC-D33-3-4-07/07/2022	19980036	E1613B	TOTAL HpCDFs	64.1	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	77.2	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	353	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.83	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.79	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.04	pg/g	J			✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.91	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.25	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.35	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.12	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.01	pg/g	J			✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.5	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.5	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.9	pg/g		DNR	EXC	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.05	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.784	pg/g	K	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	Heptachlorodibenzo-P-Dioxin	780	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	HEXACHLORODIBENZOFURAN	129	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	HEXACHLORODIBENZO-P-DIOXIN	130	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	OCTACHLORODIBENZOFURAN	221	pg/g				✓
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5590	pg/g	E	J	ACR	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	PENTACHLORO DIBENZOFURAN	83.3	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.4	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.16	pg/g	JK	J	VJ	
SIB-SC-D33-4-5-07/07/2022	19980037	E1613B	TOTAL HpCDFs	280	pg/g	JK	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	33.1	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	166	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.4	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.78	pg/g	BJ			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.47	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.55	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.895	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.46	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.19	pg/g	BJK	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.54	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.33	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.69	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.69	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.32	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.89	pg/g		DNR	EXC	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.536	pg/g	K	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	Heptachlorodibenzo-P-Dioxin	386	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	HEXACHLORODIBENZOFURAN	59	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	HEXACHLORODIBENZO-P-DIOXIN	61.2	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	OCTACHLORODIBENZOFURAN	96.4	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2730	pg/g				✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	PENTACHLORO DIBENZOFURAN	41.3	pg/g	J			✓
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	PENTACHLORODIBENZO-P-DIOXIN	12.3	pg/g	JK	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.6	pg/g	JK	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.42	pg/g	JK	J	VJ	
SIB-SC-D33-5-6-07/07/2022	19980038	E1613B	TOTAL HpCDFs	125	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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SDG: 20005

August 3, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, April 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20005	SIB-SC-C34-0-1-07072022	20005001	SE	✓
20005	SIB-SC-C34-1-2-07072022	20005002	SE	✓
20005	SIB-SC-C34-2-3-07072022	20005003	SE	✓
20005	SIB-SC-C34-3-4-07072022	20005004	SE	✓
20005	FD-02-07072022	20005005	SE	✓
20005	SIB-SC-C34-4-5-07072022	20005006	SE	✓
20005	SIB-SC-C34-5-6-07072022	20005007	SE	✓
20005	SIB-SC-C35-1-2-07072022	20005008	SE	✓
20005	SIB-SC-C35-2-3-07072022	20005009	SE	✓
20005	SIB-SC-C35-3-4-07072022	20005010	SE	✓
20005	SIB-SC-C35-4-5-07072022	20005011	SE	✓
20005	SIB-SC-C35-5-6-07072022	20005012	SE	✓
20005	SIB-SC-B35-1-2-07072022	20005013	SE	✓
20005	SIB-SC-B35-2-3-07072022	20005014	SE	✓
20005	SIB-SC-B35-3-4-07072022	20005015	SE	✓
20005	SIB-SC-B35-4-5-07072022	20005016	SE	✓
20005	FD-03-07072022	20005017	SE	✓
20005	SIB-SC-B35-5-6-07072022	20005018	SE	✓
20005	SIB-SC-E35-1-2-07082022	20005019	SE	✓
20005	SIB-SC-E35-2-3-07082022	20005020	SE	✓
20005	FD-04-07082022	20005021	SE	✓
20005	SIB-SC-E35-3-4-07082022	20005022	SE	✓
20005	SIB-SC-E35-4-5-07082022	20005025	SE	✓
20005	SIB-SC-E35-5-6-07082022	20005026	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20005	24 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For Method Blank 12032284 (extracted 7/18/22) and Method Blank 12032294, the EDD did not match the PDF. The laboratory submitted a revised EDD. The results for all native target analytes matched the PDF. The EDD results for Total PeCDF, Total HxCDF, and Total HpCDF did not match the results reported in the PDF. Total dioxins/furans are not evaluated for method blanks; therefore, no further action was taken. The correct results were noted in the “remark” field in the EDD.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	System Performance and Resolution Checks	1	Certified Reference Material
✓	Initial Calibration (ICAL)	2	Field Duplicates
✓	Calibration Verification (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	✓	Compound Quantitation
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification

✓ *Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

1 *Quality control results are discussed below, but no data were qualified.*

2 *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffices were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50428: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-B35-1-2-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B35-2-3-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B35-2-3-07/07/2022	OCDD	U-MBL
SIB-SC-B35-3-4-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B35-3-4-07/07/2022	OCDD	U-MBL
SIB-SC-B35-4-5-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B35-4-5-07/07/2022	OCDD	U-MBL
FD-03-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B35-5-6-07/07/2022	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-C34-0-1-07/07/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	277	335	--	J-MSH
OCDD	1430	1960	26.4	J-MSH,MSP
1,2,3,4,6,7,8-HpCDF	--	146	--	J-MSH
OCDF	149	157	--	J-MSH

The MS/MSD analyses were performed using Sample SIB-SC-E35-3-4-07/08/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	Parent > 4x Spike		31.1	J-MSP
OCDD	Parent > 4x Spike		35.6	J-MSP
1,2,3,4,6,7,8-HpCDF	68.3	--	--	J-MSL
OCDF	49.5	--	--	J-MSL

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Three sets of field duplicates were submitted. With the following exceptions, field precision was acceptable.

SIB-SC-C34-3-4-07072022 and FD-02-07072022
 SIB-SC-B35-4-5-07072022 and FD-03-07072022
 SIB-SC-E35-2-3-07082022 and FD-04-07082022

For set, SIB-SC-C34-3-4-07072022 and FD-02-07072022:

ANALYTE	OUTLIER	QUALIFIER
1,2,3,4,6,7,8-HpCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
1,2,3,7,8,9-HxCDD	Difference	J-FDPA
2,3,7,8-TCDF	Difference	J-FDPA
2,3,7,8-TCDD	Difference	J-FDPA
OCDF	Difference	J-FDPA

OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	Difference	J-FDPA
Total HxCDD	RPD	J-FDPR
Total PeCDF	Difference	J-FDPA
Total PeCDD	Difference	J-FDPA
Total TCDF	RPD	J-FDPR
Total TCDD	Difference	J-FDPA
Total HpCDF	RPD	J-FDPR

For set, SIB-SC-E35-2-3-07082022 and FD-04-07082022:

ANALYTE	OUTLIER	QUALIFIER
1,2,3,4,6,7,8-HpCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
2,3,7,8-TCDF	Difference	J-FDPA
OCDF	Difference	J-FDPA
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	Difference	J-FDPA
Total HxCDD	Difference	J-FDPA
Total PeCDF	Difference	J-FDPA
Total PeCDD	Difference	J-FDPA
Total TCDF	Difference	J-FDPA
Total TCDD	Difference	J-FDPA
Total HpCDF	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated

positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Calculation Verification

Calculation verifications were performed for this sample delivery group (SDG). No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exception noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exception noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers, and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.12	pg/g		J	MSH	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	42.8	pg/g		J	MSH	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.782	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.805	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.548	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.662	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.223	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.4	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.655	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.44	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.92	pg/g				✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.565	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	Heptachlorodibenzo-P-Dioxin	98.1	pg/g				✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	HEXACHLORODIBENZOFURAN	14.8	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	OCTACHLORODIBENZOFURAN	23.5	pg/g		J	MSH	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	663	pg/g		J	MSH,MSP	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	PENTACHLORO DIBENZOFURAN	9.86	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.86	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.41	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.917	pg/g	J			✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	2.04	pg/g				✓
SIB-SC-C34-0-1-07/07/2022	20005001	E1613B	TOTAL HpCDFs	30.4	pg/g	J			✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	85.5	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	506	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.48	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.88	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.76	pg/g	J			✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.72	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.2	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.67	pg/g	J			✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.85	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.02	pg/g	J			✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.11	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.86	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.8	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.11	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.86	pg/g		DNR	EXC	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.36	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	Heptachlorodibenzo-P-Dioxin	1100	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	HEXACHLORODIBENZOFURAN	146	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	236	pg/g	J			✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	OCTACHLORODIBENZOFURAN	257	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7550	pg/g	E	J	ACR	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	PENTACHLORO DIBENZOFURAN	106	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	44.4	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	56.9	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	22.8	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	20005002	E1613B	TOTAL HpCDFs	308	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	107	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.54	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.3	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.15	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.64	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.502	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.97	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.32	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.974	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.55	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.19	pg/g		DNR	EXC	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	Heptachlorodibenzo-P-Dioxin	258	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	HEXACHLORODIBENZOFURAN	28.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43.3	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	OCTACHLORODIBENZOFURAN	42.5	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1890	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	PENTACHLORO DIBENZOFURAN	22.1	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.6	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.3	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.52	pg/g	J			✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	4.73	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	20005003	E1613B	TOTAL HpCDFs	57.3	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14	pg/g		J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	64.8	pg/g		J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.07	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.606	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.44	pg/g	J	J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.37	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J	J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.19	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.08	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.695	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.86	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.843	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.271	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	Heptachlorodibenzo-P-Dioxin	157	pg/g		J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	HEXACHLORODIBENZOFURAN	23.2	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	28.3	pg/g	JK	J	FDPR,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	OCTACHLORODIBENZOFURAN	32.8	pg/g		J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	110	pg/g		J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	PENTACHLORO DIBENZOFURAN	17.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.22	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.59	pg/g	JK	J	FDPR,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.05	pg/g	JK	J	FDPA,VJ	
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	3.87	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20005004	E1613B	TOTAL HpCDFs	45.4	pg/g	JK	J	FDPR,VJ	
FD-02-07/07/2022	20005005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	71.4	pg/g		J	FDPA	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-02-07/07/2022	20005005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	449	pg/g		J	FDPR	
FD-02-07/07/2022	20005005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.62	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.58	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.51	pg/g	J			✓
FD-02-07/07/2022	20005005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.83	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.2	pg/g		J	FDPA	
FD-02-07/07/2022	20005005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.81	pg/g	JK	J	VJ	
FD-02-07/07/2022	20005005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.8	pg/g		J	FDPA	
FD-02-07/07/2022	20005005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.63	pg/g	J			✓
FD-02-07/07/2022	20005005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.98	pg/g	K	J	VJ	
FD-02-07/07/2022	20005005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.22	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.79	pg/g	J			✓
FD-02-07/07/2022	20005005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.1	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.24	pg/g		J	FDPA	
FD-02-07/07/2022	20005005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.05	pg/g		DNR	EXC	
FD-02-07/07/2022	20005005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.29	pg/g		J	FDPA	
FD-02-07/07/2022	20005005	E1613B	Heptachlorodibenzo-P-Dioxin	941	pg/g		J	FDPR	
FD-02-07/07/2022	20005005	E1613B	HEXACHLORODIBENZOFURAN	129	pg/g	JK	J	FDPA,VJ	
FD-02-07/07/2022	20005005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	219	pg/g	JK	J	FDPR,VJ	
FD-02-07/07/2022	20005005	E1613B	OCTACHLORODIBENZOFURAN	195	pg/g		J	FDPA	
FD-02-07/07/2022	20005005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6050	pg/g	E	J	FDPR,ACR	
FD-02-07/07/2022	20005005	E1613B	PENTACHLORO DIBENZOFURAN	98.9	pg/g	JK	J	FDPA,VJ	
FD-02-07/07/2022	20005005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.2	pg/g	JK	J	FDPA,VJ	
FD-02-07/07/2022	20005005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.9	pg/g	JK	J	FDPR,VJ	
FD-02-07/07/2022	20005005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15	pg/g	JK	J	FDPA,VJ	
FD-02-07/07/2022	20005005	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	21.1	pg/g				✓
FD-02-07/07/2022	20005005	E1613B	TOTAL HpCDFs	246	pg/g	J	J	FDPR	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	55.9	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.53	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.62	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.4	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.04	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.463	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.969	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.914	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.57	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.467	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	Heptachlorodibenzo-P-Dioxin	131	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	HEXACHLORODIBENZOFURAN	23.2	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20	pg/g	J			✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	OCTACHLORODIBENZOFURAN	34.8	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	900	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	PENTACHLORO DIBENZOFURAN	16.7	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.95	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.61	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.713	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	2.75	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	20005006	E1613B	TOTAL HpCDFs	52.2	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	36.5	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	141	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	2.38	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.28	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.15	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.32	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.61	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.865	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.12	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.13	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.08	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.77	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.35	pg/g	K	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.31	pg/g		DNR	EXC	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.359	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	Heptachlorodibenzo-P-Dioxin	311	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	HEXACHLORODIBENZOFURAN	55.7	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	52.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	OCTACHLORODIBENZOFURAN	94.1	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2200	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	PENTACHLORO DIBENZOFURAN	38.1	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.7	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.9	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.55	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	6.77	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	20005007	E1613B	TOTAL HpCDFs	125	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	42.4	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.765	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.323	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.769	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.11	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.499	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.27	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.755	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.563	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.69	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.491	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	Heptachlorodibenzo-P-Dioxin	87.3	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	HEXACHLORODIBENZOFURAN	19.9	pg/g	J			✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	OCTACHLORODIBENZOFURAN	23.6	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	628	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	PENTACHLORO DIBENZOFURAN	8.27	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.29	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.29	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.689	pg/g	JK	J	VJ	
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	1.91	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	20005008	E1613B	TOTAL HpCDFs	38.6	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	16.1	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	101	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.17	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.816	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.23	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.4	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.352	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.47	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.367	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.751	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.867	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.21	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.2	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.03	pg/g		DNR	EXC	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.22	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	Heptachlorodibenzo-P-Dioxin	300	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	HEXACHLORODIBENZOFURAN	25.6	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43	pg/g	J			✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	OCTACHLORODIBENZOFURAN	58.5	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1320	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	PENTACHLORO DIBENZOFURAN	17.9	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.49	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.81	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.36	pg/g	JK	J	VJ	
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	4.21	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	20005009	E1613B	TOTAL HpCDFs	62.5	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.34	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	46.5	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.666	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.453	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.647	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.39	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.24	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.257	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.529	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.477	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.57	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.705	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	Heptachlorodibenzo-P-Dioxin	113	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	HEXACHLORODIBENZOFURAN	12.8	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.4	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	OCTACHLORODIBENZOFURAN	20.6	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	712	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	PENTACHLORO DIBENZOFURAN	9.76	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.08	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.77	pg/g	JK	J	VJ	
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.501	pg/g	J			✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	1.92	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	20005010	E1613B	TOTAL HpCDFs	26.5	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	82.2	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	525	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.52	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.29	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.15	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.33	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	33.7	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.83	pg/g	JK	J	VJ	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.6	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.99	pg/g	J			✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.81	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.52	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.2	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.1	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.34	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.19	pg/g		DNR	EXC	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.32	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	Heptachlorodibenzo-P-Dioxin	1130	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	HEXACHLORODIBENZOFURAN	144	pg/g	JK	J	VJ	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	264	pg/g	J			✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	OCTACHLORODIBENZOFURAN	220	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7140	pg/g	E	J	ACR	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	PENTACHLORO DIBENZOFURAN	114	pg/g	J			✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.8	pg/g	JK	J	VJ	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	56.4	pg/g	JK	J	VJ	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.9	pg/g	JK	J	VJ	
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	24.1	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	20005011	E1613B	TOTAL HpCDFs	288	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38.9	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	183	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.35	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.854	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.556	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.548	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.24	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.39	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.24	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.339	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.448	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.483	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.536	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.24	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.74	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	Heptachlorodibenzo-P-Dioxin	373	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	HEXACHLORODIBENZOFURAN	23	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	21.7	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	OCTACHLORODIBENZOFURAN	881	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4390	pg/g	E	J	ACR	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	PENTACHLORO DIBENZOFURAN	8.41	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.72	pg/g	J			✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.63	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.73	pg/g	JK	J	VJ	
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	5.31	pg/g				✓
SIB-SC-C35-5-6-07/07/2022	20005012	E1613B	TOTAL HpCDFs	297	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.359	pg/g	BJ	U	MBL	
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.22	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.113	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0312	pg/g				✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	Heptachlorodibenzo-P-Dioxin	3.83	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	HEXACHLORODIBENZOFURAN	0.349	pg/g	BJ			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.84	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.9	pg/g				✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	PENTACHLORO DIBENZOFURAN	0.438	pg/g	BJK	J	VJ	
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.299	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.311	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.313	pg/g				✓
SIB-SC-B35-1-2-07/07/2022	20005013	E1613B	TOTAL HpCDFs	0.359	pg/g	BJ			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.249	pg/g	BJ	U	MBL	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.189	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.135	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.105	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0216	pg/g				✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	Heptachlorodibenzo-P-Dioxin	0.429	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	HEXACHLORODIBENZOFURAN	0.296	pg/g	BJK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	OCTACHLORODIBENZOFURAN	0.221	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1.89	pg/g	BJ	U	MBL	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	PENTACHLORO DIBENZOFURAN	0.365	pg/g	BJK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.0936	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.152	pg/g				✓
SIB-SC-B35-2-3-07/07/2022	20005014	E1613B	TOTAL HpCDFs	0.249	pg/g	BJ			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.226	pg/g	BJK	U	MBL	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.38	pg/g	J			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.111	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0181	pg/g				✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	Heptachlorodibenzo-P-Dioxin	0.837	pg/g	J			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	HEXACHLORODIBENZOFURAN	0.263	pg/g	BJK	J	VJ	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.439	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3.02	pg/g	BJ	U	MBL	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	PENTACHLORO DIBENZOFURAN	0.326	pg/g	BJK	J	VJ	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.17	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.207	pg/g	J			✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.152	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.197	pg/g				✓
SIB-SC-B35-3-4-07/07/2022	20005015	E1613B	TOTAL HpCDFs	0.226	pg/g	BJK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.291	pg/g	BJK	U	MBL	
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.22	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0254	pg/g				✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	Heptachlorodibenzo-P-Dioxin		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	HEXACHLORODIBENZOFURAN	0.22	pg/g	BJK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1.63	pg/g	BJ	U	MBL	
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	PENTACHLORO DIBENZOFURAN	0.146	pg/g	BJ			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.317	pg/g				✓
SIB-SC-B35-4-5-07/07/2022	20005016	E1613B	TOTAL HpCDFs	0.291	pg/g	BJK	J	VJ	
FD-03-07/07/2022	20005017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.202	pg/g	BJK	U	MBL	
FD-03-07/07/2022	20005017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.368	pg/g	J			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-03-07/07/2022	20005017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.009	pg/g				✓
FD-03-07/07/2022	20005017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	Heptachlorodibenzo-P-Dioxin	0.832	pg/g	JK	J	VJ	
FD-03-07/07/2022	20005017	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.22	pg/g	J			✓
FD-03-07/07/2022	20005017	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10.8	pg/g				✓
FD-03-07/07/2022	20005017	E1613B	PENTACHLORO DIBENZOFURAN	0.141	pg/g	BJ			✓
FD-03-07/07/2022	20005017	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-03-07/07/2022	20005017	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.242	pg/g				✓
FD-03-07/07/2022	20005017	E1613B	TOTAL HpCDFs	0.202	pg/g	BJK	J	VJ	
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.313	pg/g	BJK	U	MBL	
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.189	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0237	pg/g				✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	Heptachlorodibenzo-P-Dioxin	0.69	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	HEXACHLORODIBENZOFURAN	0.189	pg/g	BJK	J	VJ	
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.371	pg/g	J			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5.38	pg/g	BJ			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.425	pg/g				✓
SIB-SC-B35-5-6-07/07/2022	20005018	E1613B	TOTAL HpCDFs	0.313	pg/g	BJK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.3	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	131	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.57	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.7	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.32	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.91	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.63	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.449	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.91	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.453	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.21	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.21	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.11	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.87	pg/g		DNR	EXC	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.376	pg/g	J			✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	Heptachlorodibenzo-P-Dioxin	274	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	HEXACHLORODIBENZOFURAN	35.7	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	64	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	OCTACHLORODIBENZOFURAN	51.9	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1700	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	PENTACHLORO DIBENZOFURAN	28.9	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.6	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.85	pg/g	JK	J	VJ	
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.13	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	6.21	pg/g				✓
SIB-SC-E35-1-2-07/08/2022	20005019	E1613B	TOTAL HpCDFs	68.4	pg/g	J			✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.37	pg/g		J	FDPA	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	41.6	pg/g		J	FDPR	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	0.395	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.549	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.539	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.545	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.7	pg/g	J	J	FDPA	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.174	pg/g	J			✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.19	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.227	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.406	pg/g	JK	J	VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.494	pg/g	J			✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.508	pg/g	J			✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.92	pg/g				✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.69	pg/g	J	J	FDPA	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	Heptachlorodibenzo-P-Dioxin	88.3	pg/g	JK	J	FDPR,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	HEXACHLORODIBENZOFURAN	11.1	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.6	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	OCTACHLORODIBENZOFURAN	18.1	pg/g		J	FDPA	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	587	pg/g		J	FDPR	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	PENTACHLORO DIBENZOFURAN	8.96	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	PENTACHLORODIBENZO-P-DIOXIN	3.98	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.09	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.58	pg/g	JK	J	FDPA,VJ	
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	2.01	pg/g				✓
SIB-SC-E35-2-3-07/08/2022	20005020	E1613B	TOTAL HpCDFs	21.9	pg/g	JK	J	FDPA,VJ	
FD-04-07/08/2022	20005021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.5	pg/g		J	FDPA	
FD-04-07/08/2022	20005021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	282	pg/g		J	FDPR	
FD-04-07/08/2022	20005021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.55	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.29	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.67	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.1	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.3	pg/g		J	FDPA	
FD-04-07/08/2022	20005021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.883	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-04-07/08/2022	20005021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.61	pg/g				✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.871	pg/g	BJ			✓
FD-04-07/08/2022	20005021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.86	pg/g				✓
FD-04-07/08/2022	20005021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.03	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.74	pg/g	J			✓
FD-04-07/08/2022	20005021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13	pg/g				✓
FD-04-07/08/2022	20005021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.74	pg/g		J	FDPA	
FD-04-07/08/2022	20005021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.66	pg/g		DNR	EXC	
FD-04-07/08/2022	20005021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.812	pg/g				✓
FD-04-07/08/2022	20005021	E1613B	Heptachlorodibenzo-P-Dioxin	594	pg/g		J	FDPR	
FD-04-07/08/2022	20005021	E1613B	HEXACHLORODIBENZOFURAN	79	pg/g	JK	J	FDPA,VJ	
FD-04-07/08/2022	20005021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	137	pg/g	J	J	FDPA	
FD-04-07/08/2022	20005021	E1613B	OCTACHLORODIBENZOFURAN	113	pg/g		J	FDPA	
FD-04-07/08/2022	20005021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3670	pg/g		J	FDPR	
FD-04-07/08/2022	20005021	E1613B	PENTACHLORO DIBENZOFURAN	60.2	pg/g	J	J	FDPA	
FD-04-07/08/2022	20005021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	23.3	pg/g	J	J	FDPA	
FD-04-07/08/2022	20005021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	32.2	pg/g	JK	J	FDPA,VJ	
FD-04-07/08/2022	20005021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.67	pg/g	JK	J	FDPA,VJ	
FD-04-07/08/2022	20005021	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	13	pg/g				✓
FD-04-07/08/2022	20005021	E1613B	TOTAL HpCDFs	148	pg/g	J	J	FDPA	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	97.7	pg/g		J	MSL	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	531	pg/g		J	MSP	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	6.04	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.27	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.45	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.24	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.6	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.5	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.74	pg/g	JK	J	VJ	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.25	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.83	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.86	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23.1	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.92	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.2	pg/g		DNR	EXC	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.37	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	Heptachlorodibenzo-P-Dioxin	1120	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	HEXACHLORODIBENZOFURAN	159	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	229	pg/g	J			✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	OCTACHLORODIBENZOFURAN	279	pg/g		J	MSL	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7320	pg/g	E	J	ACR,MSP	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	PENTACHLORO DIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41.3	pg/g	JK	J	VJ	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.4	pg/g	JK	J	VJ	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.2	pg/g	JK	J	VJ	
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	23.1	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	20005022	E1613B	TOTAL HpCDFs	342	pg/g	JK	J	VJ	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	203	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	621	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.63	pg/g	J			✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.6	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.7	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.22	pg/g	J			✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.7	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.92	pg/g	K	J	VJ	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.5	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.05	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31.3	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.88	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.55	pg/g		DNR	EXC	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.78	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	Heptachlorodibenzo-P-Dioxin	1600	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	HEXACHLORODIBENZOFURAN	293	pg/g	J			✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	248	pg/g	J			✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	OCTACHLORODIBENZOFURAN	511	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12400	pg/g	E	J	ACR	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	PENTACHLORO DIBENZOFURAN	221	pg/g	JK	J	VJ	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	48.3	pg/g	JK	J	VJ	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.5	pg/g	K	J	VJ	
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	21.7	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	31.3	pg/g				✓
SIB-SC-E35-4-5-07/08/2022	20005025	E1613B	TOTAL HpCDFs	660	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	437	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	532	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.83	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.9	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	22.5	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.5	pg/g	JK	J	VJ	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.65	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.94	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.69	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.01	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.1	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.02	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	pg/g		DNR	EXC	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.67	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	Heptachlorodibenzo-P-Dioxin	1260	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	HEXACHLORODIBENZOFURAN	244	pg/g	JK	J	VJ	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	196	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	OCTACHLORODIBENZOFURAN	601	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9170	pg/g	E	J	ACR	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	PENTACHLORO DIBENZOFURAN	170	pg/g	JK	J	VJ	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.4	pg/g	JK	J	VJ	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	51.4	pg/g	JK	J	VJ	
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.7	pg/g	J			✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	28.1	pg/g				✓
SIB-SC-E35-5-6-07/08/2022	20005026	E1613B	TOTAL HpCDFs	921	pg/g	J			✓
SIB-SC-B35-1-2-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0.313	pg/g				✓
SIB-SC-B35-2-3-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0.152	pg/g				✓
SIB-SC-B35-3-4-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0.197	pg/g				✓
SIB-SC-B35-4-5-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0.257	pg/g				✓
SIB-SC-B35-5-6-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0.425	pg/g				✓
SIB-SC-C34-0-1-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2.04	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	20.6	pg/g	A			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C34-2-3-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	4.73	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	11.8	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2.75	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	6.78	pg/g				✓
SIB-SC-C35-1-2-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1.91	pg/g				✓
SIB-SC-C35-2-3-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	4.2	pg/g				✓
SIB-SC-C35-3-4-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1.92	pg/g				✓
SIB-SC-C35-4-5-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	21.9	pg/g	A			✓
SIB-SC-C35-5-6-07/07/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	3.99	pg/g	A			✓
SIB-SC-E35-1-2-07/08/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	6.21	pg/g				✓
SIB-SC-E35-2-3-07/08/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	7.85	pg/g				✓
SIB-SC-E35-3-4-07/08/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	20.9	pg/g	A			✓
SIB-SC-E35-4-5-07/08/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	27.6	pg/g	A			✓
SIB-SC-E35-5-6-07/08/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	25.3	pg/g	A			✓
SIB-SC-B35-1-2-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	713	pg/g				✓
SIB-SC-B35-2-3-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	599	pg/g				✓
SIB-SC-B35-3-4-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	685	pg/g				✓
SIB-SC-B35-4-5-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	542	pg/g				✓
SIB-SC-B35-5-6-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	574	pg/g				✓
SIB-SC-C34-0-1-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	213000	pg/g				✓
SIB-SC-C34-1-2-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	227000	pg/g				✓
SIB-SC-C34-2-3-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	151000	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	219000	pg/g				✓
SIB-SC-C34-4-5-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	351000	pg/g				✓
SIB-SC-C34-5-6-07/07/2022	Calc	CALC	Total PCB Congener (Calculated U = 1/2)	900000	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20006

February 13, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20006	SIB-SC-E34-1-2-07082022	20006001	SE	✓
20006	SIB-SC-E34-2-3-07082022	20006002	SE	✓
20006	SIB-SC-E34-3-4-07082022	20006003	SE	✓
20006	SIB-SC-E34-4-5-07082022	20006004	SE	✓
20006	SIB-SC-E34-5-6-07082022	20006005	SE	✓
20006	SIB-SC-E36-1-2-07082022	20006006	SE	✓
20006	SIB-SC-E36-2-3-07082022	20006007	SE	✓
20006	SIB-SC-E36-3-4-07082022	20006008	SE	✓
20006	SIB-SC-E36-4-5-07082022	20006009	SE	✓
20006	SIB-SC-E36-5-6-07082022	20006010	SE	✓
20006	SIB-SC-D36-1-2-07082022	20006011	SE	✓
20006	SIB-SC-D36-2-3-07082022	20006012	SE	✓
20006	SIB-SC-D36-3-4-07/08/2022	20006013	SE	✓
20006	FD-05-07/08/2022	20006014	SE	✓
20006	SIB-SC-D36-4-5-07082022	20006015	SE	✓
20006	SIB-SC-D36-5-6-07082022	20006018	SE	✓
20006	SIB-SC-F32-1-2-07082022	20006019	SE	✓
20006	SIB-SC-F32-2-3-07082022	20006020	SE	✓
20006	SIB-SC-F32-3-4-07082022	20006021	SE	✓
20006	SIB-SC-F32-4-5-07082022	20006022	SE	✓
20006	SIB-SC-F32-5-6-07082022	20006023	SE	✓
20006	SIB-SC-F31-1-2-07082022	20006024	SE	✓
20006	SIB-SC-F31-2-3-07082022	20006025	SE	✓
20006	SIB-SC-F31-3-4-07082022	20006026	SE	✓
20006	SIB-SC-F31-4-5-07082022	20006027	SE	✓
20006	SIB-SC-F31-5-6-07082022	20006028	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20006	26 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported

in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are “estimated maximum possible concentrations” or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50440:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E36-1-2-07/08/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E36-2-3-07/08/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E36-3-4-07/08/2022	1,2,3,7,8-PeCDF	U-MBL

Extraction Batch 50443:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-D36-1-2-07082022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D36-2-3-07082022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D36-3-4-07/08/2022	1,2,3,7,8-PeCDF	U-MBL
FD-05-07/08/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
SIB-SC-D36-4-5-07082022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F32-2-3-07082022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F32-3-4-07082022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F32-4-5-07082022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
SIB-SC-F32-5-6-07082022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
SIB-SC-F31-2-3-07082022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F31-4-5-07082022	1,2,3,7,8-PeCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50443, MS/MSD analyses were performed using Sample SIB-SC-D36-4-5-07/08/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	278	272	OK	J-MSH
1,2,3,4,6,7,8-HpCDF	OK	152	20.8	J-MSH,MSP
OCDF	OK	158	21.1	J-MSH,MSP

For Extraction Batch 50440, MS/MSD analyses were performed using a sample from another SDG. The results were not submitted with this SDG. No action was taken.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-D36-3-4-07/08/2022 & FD-05-07/08/2022, was submitted. The following outliers required qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
OCDF	Difference	J-FDPA
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HxCDF	Difference	J-FDPA
Total HxCDD	Difference	J-FDPA
Total PeCDF	Difference	J-FDPA
Total TCDF	RPD	J-FDPR
Total TCDD	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Other data were estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	69	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	457	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.8	pg/g	J			✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.17	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.76	pg/g	J			✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.42	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.7	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.75	pg/g	J			✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.96	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.57	pg/g	K	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.06	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.65	pg/g	J			✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.1	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.1	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.73	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.83	pg/g		DNR	EXC	
SIB-SC-E34-1-2-07082022	20006001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.27	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	Heptachlorodibenzo-P-Dioxin	968	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	HEXACHLORODIBENZOFURAN	124	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	214	pg/g	J			✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	OCTACHLORODIBENZOFURAN	196	pg/g				✓
SIB-SC-E34-1-2-07082022	20006001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6060	pg/g	E	J	ACR	
SIB-SC-E34-1-2-07082022	20006001	E1613B	PENTACHLORO DIBENZOFURAN	122	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	33.1	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.8	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.9	pg/g	JK	J	VJ	
SIB-SC-E34-1-2-07082022	20006001	E1613B	TOTAL HpCDFs	242	pg/g	JK	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	36.7	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	187	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.82	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.26	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.846	pg/g	BJ			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.2	pg/g	J			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.9	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.14	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.05	pg/g		DNR	EXC	
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.32	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	Heptachlorodibenzo-P-Dioxin	428	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	HEXACHLORODIBENZOFURAN	59.2	pg/g	J			✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	76.1	pg/g	JK	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	OCTACHLORODIBENZOFURAN	110	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2630	pg/g				✓
SIB-SC-E34-2-3-07082022	20006002	E1613B	PENTACHLORO DIBENZOFURAN	40.6	pg/g	JK	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14	pg/g	JK	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.3	pg/g	K	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.43	pg/g	JK	J	VJ	
SIB-SC-E34-2-3-07082022	20006002	E1613B	TOTAL HpCDFs	147	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	124	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	447	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.26	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.52	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.04	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.8	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.1	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.51	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.9	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.2	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.14	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.19	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.7	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.7	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.73	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.29	pg/g		DNR	EXC	
SIB-SC-E34-3-4-07082022	20006003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.28	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E34-3-4-07082022	20006003	E1613B	Heptachlorodibenzo-P-Dioxin	1050	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	HEXACHLORODIBENZOFURAN	198	pg/g	JK	J	VJ	
SIB-SC-E34-3-4-07082022	20006003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	184	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	OCTACHLORODIBENZOFURAN	352	pg/g				✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7960	pg/g	E	J	ACR	
SIB-SC-E34-3-4-07082022	20006003	E1613B	PENTACHLORO DIBENZOFURAN	142	pg/g	JK	J	VJ	
SIB-SC-E34-3-4-07082022	20006003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	33.1	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.3	pg/g	JK	J	VJ	
SIB-SC-E34-3-4-07082022	20006003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.7	pg/g	J			✓
SIB-SC-E34-3-4-07082022	20006003	E1613B	TOTAL HpCDFs	427	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	134	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	476	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.04	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.41	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.94	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.2	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.59	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.83	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.42	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.42	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.18	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23.8	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.8	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.88	pg/g		DNR	EXC	
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.33	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.63	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	Heptachlorodibenzo-P-Dioxin	1170	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	HEXACHLORODIBENZOFURAN	229	pg/g	JK	J	VJ	
SIB-SC-E34-4-5-07082022	20006004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	196	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	OCTACHLORODIBENZOFURAN	336	pg/g				✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8660	pg/g	E	J	ACR	
SIB-SC-E34-4-5-07082022	20006004	E1613B	PENTACHLORO DIBENZOFURAN	181	pg/g	JK	J	VJ	
SIB-SC-E34-4-5-07082022	20006004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.1	pg/g	J			✓
SIB-SC-E34-4-5-07082022	20006004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	57.1	pg/g	JK	J	VJ	
SIB-SC-E34-4-5-07082022	20006004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E34-4-5-07082022	20006004	E1613B	TOTAL HpCDFs	448	pg/g	JK	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	138	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	627	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.87	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.2	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.18	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.5	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.02	pg/g	J			✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.8	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.04	pg/g	J			✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.33	pg/g	K	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.32	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.56	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.6	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.6	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.84	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.51	pg/g		DNR	EXC	
SIB-SC-E34-5-6-07082022	20006005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.49	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	Heptachlorodibenzo-P-Dioxin	1410	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	HEXACHLORODIBENZOFURAN	233	pg/g	J			✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	224	pg/g	J			✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	OCTACHLORODIBENZOFURAN	420	pg/g				✓
SIB-SC-E34-5-6-07082022	20006005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10200	pg/g	E	J	ACR	
SIB-SC-E34-5-6-07082022	20006005	E1613B	PENTACHLORO DIBENZOFURAN	152	pg/g	JK	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41.9	pg/g	JK	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.5	pg/g	JK	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.4	pg/g	JK	J	VJ	
SIB-SC-E34-5-6-07082022	20006005	E1613B	TOTAL HpCDFs	500	pg/g	J			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.49	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	57	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.687	pg/g	BJ	U	MBL	
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.579	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.81	pg/g	BJ			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.81	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.945	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.235	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.446	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.709	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.664	pg/g	J			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.3	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.52	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.56	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	Heptachlorodibenzo-P-Dioxin	130	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	HEXACHLORODIBENZOFURAN	16.1	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	22	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	OCTACHLORODIBENZOFURAN	24.2	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	935	pg/g				✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	PENTACHLORO DIBENZOFURAN	12.9	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.43	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.34	pg/g	JK	J	VJ	
SIB-SC-E36-1-2-07082022	20006006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.855	pg/g	J			✓
SIB-SC-E36-1-2-07082022	20006006	E1613B	TOTAL HpCDFs	30	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.4	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	152	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.01	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.49	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.12	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.93	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.609	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.28	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.779	pg/g	BJ	U	MBL	
SIB-SC-E36-2-3-07082022	20006007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.85	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.98	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.77	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.77	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.31	pg/g		DNR	EXC	
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.26	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.564	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E36-2-3-07082022	20006007	E1613B	Heptachlorodibenzo-P-Dioxin	328	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	HEXACHLORODIBENZOFURAN	47.5	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	70.1	pg/g	J			✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	OCTACHLORODIBENZOFURAN	62.9	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1950	pg/g				✓
SIB-SC-E36-2-3-07082022	20006007	E1613B	PENTACHLORO DIBENZOFURAN	39.1	pg/g	JK	J	VJ	
SIB-SC-E36-2-3-07082022	20006007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.6	pg/g	JK	J	VJ	
SIB-SC-E36-2-3-07082022	20006007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	20.9	pg/g	JK	J	VJ	
SIB-SC-E36-2-3-07082022	20006007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.84	pg/g	JK	J	VJ	
SIB-SC-E36-2-3-07082022	20006007	E1613B	TOTAL HpCDFs	85.3	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.9	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	97.4	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.28	pg/g	BJ			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.01	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.11	pg/g	BJ			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.8	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.539	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.78	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.414	pg/g	BJ	U	MBL	
SIB-SC-E36-3-4-07082022	20006008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.976	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.19	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.968	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.26	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.42	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.41	pg/g		DNR	EXC	
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.37	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	Heptachlorodibenzo-P-Dioxin	200	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	HEXACHLORODIBENZOFURAN	26.3	pg/g	J			✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	42.5	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	OCTACHLORODIBENZOFURAN	33.4	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1120	pg/g				✓
SIB-SC-E36-3-4-07082022	20006008	E1613B	PENTACHLORO DIBENZOFURAN	20.3	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.33	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.6	pg/g	JK	J	VJ	
SIB-SC-E36-3-4-07082022	20006008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.68	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E36-3-4-07082022	20006008	E1613B	TOTAL HpCDFs	48.5	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	63.4	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	421	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.23	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.41	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.27	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.72	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.1	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.48	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.56	pg/g	BJ			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.69	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.53	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.95	pg/g	J			✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.2	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.2	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.16	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.75	pg/g		DNR	EXC	
SIB-SC-E36-4-5-07082022	20006009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.34	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	Heptachlorodibenzo-P-Dioxin	883	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	HEXACHLORODIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	200	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	OCTACHLORODIBENZOFURAN	195	pg/g				✓
SIB-SC-E36-4-5-07082022	20006009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5200	pg/g	E	J	ACR	
SIB-SC-E36-4-5-07082022	20006009	E1613B	PENTACHLORO DIBENZOFURAN	85	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.9	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.4	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.5	pg/g	JK	J	VJ	
SIB-SC-E36-4-5-07082022	20006009	E1613B	TOTAL HpCDFs	232	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	64.8	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	330	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.19	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.32	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.86	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.3	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.56	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.27	pg/g	BJ			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.77	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.45	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.71	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.2	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.2	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.08	pg/g		DNR	EXC	
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.48	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.941	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	Heptachlorodibenzo-P-Dioxin	695	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	HEXACHLORODIBENZOFURAN	112	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	141	pg/g	JK	J	VJ	
SIB-SC-E36-5-6-07082022	20006010	E1613B	OCTACHLORODIBENZOFURAN	192	pg/g				✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4450	pg/g	E	J	ACR	
SIB-SC-E36-5-6-07082022	20006010	E1613B	PENTACHLORO DIBENZOFURAN	71.2	pg/g	JK	J	VJ	
SIB-SC-E36-5-6-07082022	20006010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	25.9	pg/g	JK	J	VJ	
SIB-SC-E36-5-6-07082022	20006010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	32.3	pg/g	JK	J	VJ	
SIB-SC-E36-5-6-07082022	20006010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.61	pg/g	J			✓
SIB-SC-E36-5-6-07082022	20006010	E1613B	TOTAL HpCDFs	241	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	75.6	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.996	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.19	pg/g	BJ	U	MBL	
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.778	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.11	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.47	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.405	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.64	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.373	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.631	pg/g	JK	J	VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.17	pg/g	BJ			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.969	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.56	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.56	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.653	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.371	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D36-1-2-07082022	20006011	E1613B	Heptachlorodibenzo-P-Dioxin	176	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	HEXACHLORODIBENZOFURAN	26.2	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31.6	pg/g	J			✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	OCTACHLORODIBENZOFURAN	31.2	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	996	pg/g				✓
SIB-SC-D36-1-2-07082022	20006011	E1613B	PENTACHLORO DIBENZOFURAN	21.7	pg/g	JK	J	VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.61	pg/g	JK	J	VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.4	pg/g	JK	J	VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.45	pg/g	JK	J	VJ	
SIB-SC-D36-1-2-07082022	20006011	E1613B	TOTAL HpCDFs	48.6	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.4	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	138	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.14	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.25	pg/g	BJ			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.46	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.99	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.76	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.709	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.81	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.726	pg/g	BJ	U	MBL	
SIB-SC-D36-2-3-07082022	20006012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.62	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.15	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.28	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.28	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.97	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.66	pg/g		DNR	EXC	
SIB-SC-D36-2-3-07082022	20006012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.564	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	Heptachlorodibenzo-P-Dioxin	317	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	HEXACHLORODIBENZOFURAN	53	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	67	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	OCTACHLORODIBENZOFURAN	86	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1790	pg/g				✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	PENTACHLORO DIBENZOFURAN	42.3	pg/g	J			✓
SIB-SC-D36-2-3-07082022	20006012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.6	pg/g	JK	J	VJ	
SIB-SC-D36-2-3-07082022	20006012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.2	pg/g	JK	J	VJ	
SIB-SC-D36-2-3-07082022	20006012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.42	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D36-2-3-07082022	20006012	E1613B	TOTAL HpCDFs	110	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.7	pg/g		J	FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	112	pg/g		J	FDPR	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.62	pg/g	BJ			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.66	pg/g				✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.507	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.28	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.48	pg/g	BJ	U	MBL	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.926	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	BJK	J	VJ	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.8	pg/g				✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.91	pg/g				✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.36	pg/g				✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.21	pg/g		DNR	EXC	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	Heptachlorodibenzo-P-Dioxin	237	pg/g		J	FDPR	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	HEXACHLORODIBENZOFURAN	38.5	pg/g	JK	J	VJ,FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44.9	pg/g	JK	J	VJ,FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	OCTACHLORODIBENZOFURAN	98.3	pg/g		J	FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1430	pg/g		J	FDPR	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	PENTACHLORO DIBENZOFURAN	28.4	pg/g	JK	J	VJ,FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.43	pg/g	JK	J	VJ	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.9	pg/g	JK	J	VJ,FDPR	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.95	pg/g	JK	J	VJ,FDPA	
SIB-SC-D36-3-4-07/08/2022	20006013	E1613B	TOTAL HpCDFs	103	pg/g	J	J	FDPR	
FD-05-07/08/2022	20006014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11	pg/g		J	FDPA	
FD-05-07/08/2022	20006014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	56.4	pg/g		J	FDPR	
FD-05-07/08/2022	20006014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.844	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.848	pg/g	BJ	U	MBL	
FD-05-07/08/2022	20006014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.598	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.635	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.85	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.287	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-05-07/08/2022	20006014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.15	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.25	pg/g	BJ	U	MBL	
FD-05-07/08/2022	20006014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.508	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.692	pg/g	BJ	U	MBL	
FD-05-07/08/2022	20006014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.674	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.67	pg/g				✓
FD-05-07/08/2022	20006014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.67	pg/g				✓
FD-05-07/08/2022	20006014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.739	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.252	pg/g	J			✓
FD-05-07/08/2022	20006014	E1613B	Heptachlorodibenzo-P-Dioxin	118	pg/g		J	FDPR	
FD-05-07/08/2022	20006014	E1613B	HEXACHLORODIBENZOFURAN	17.4	pg/g	JK	J	VJ,FDPA	
FD-05-07/08/2022	20006014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	21.2	pg/g	J	J	FDPA	
FD-05-07/08/2022	20006014	E1613B	OCTACHLORODIBENZOFURAN	41.4	pg/g		J	FDPA	
FD-05-07/08/2022	20006014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	764	pg/g		J	FDPR	
FD-05-07/08/2022	20006014	E1613B	PENTACHLORO DIBENZOFURAN	14	pg/g	JK	J	VJ,FDPA	
FD-05-07/08/2022	20006014	E1613B	PENTACHLORODIBENZO-P-DIOXIN	4.14	pg/g	JK	J	VJ	
FD-05-07/08/2022	20006014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.99	pg/g	JK	J	VJ,FDPR	
FD-05-07/08/2022	20006014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.985	pg/g	JK	J	VJ,FDPA	
FD-05-07/08/2022	20006014	E1613B	TOTAL HpCDFs	43.1	pg/g	J	J	FDPR	
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.9	pg/g		J	MSH,MSP	
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	142	pg/g		J	MSH	
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.58	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.73	pg/g	BJ			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.37	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.94	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.31	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.523	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.05	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.54	pg/g	BJ	U	MBL	
SIB-SC-D36-4-5-07082022	20006015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.63	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.62	pg/g	BJ			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.97	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.97	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.92	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.9	pg/g		DNR	EXC	
SIB-SC-D36-4-5-07082022	20006015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.426	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D36-4-5-07082022	20006015	E1613B	Heptachlorodibenzo-P-Dioxin	293	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	HEXACHLORODIBENZOFURAN	42.6	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	65.7	pg/g	J			✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	OCTACHLORODIBENZOFURAN	57.7	pg/g		J	MSH,MSP	
SIB-SC-D36-4-5-07082022	20006015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1830	pg/g				✓
SIB-SC-D36-4-5-07082022	20006015	E1613B	PENTACHLORO DIBENZOFURAN	35.2	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.4	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.8	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.85	pg/g	JK	J	VJ	
SIB-SC-D36-4-5-07082022	20006015	E1613B	TOTAL HpCDFs	81.6	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.3	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	492	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.83	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.42	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.45	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.53	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	31.9	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.83	pg/g	BJ			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.37	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.3	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.84	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.3	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.3	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.59	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.64	pg/g		DNR	EXC	
SIB-SC-D36-5-6-07082022	20006018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.31	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	Heptachlorodibenzo-P-Dioxin	1020	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	HEXACHLORODIBENZOFURAN	131	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	237	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	OCTACHLORODIBENZOFURAN	198	pg/g				✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6050	pg/g	E	J	ACR	
SIB-SC-D36-5-6-07082022	20006018	E1613B	PENTACHLORO DIBENZOFURAN	106	pg/g	JK	J	VJ	
SIB-SC-D36-5-6-07082022	20006018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.4	pg/g	J			✓
SIB-SC-D36-5-6-07082022	20006018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.2	pg/g	JK	J	VJ	
SIB-SC-D36-5-6-07082022	20006018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.9	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D36-5-6-07082022	20006018	E1613B	TOTAL HpCDFs	251	pg/g	JK	J	VJ	
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	93.8	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	562	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.83	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.37	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.06	pg/g	J			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.74	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.4	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.42	pg/g	J			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.79	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.99	pg/g	BJ			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.93	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.46	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.59	pg/g	J			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.9	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.9	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.74	pg/g		DNR	EXC	
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.98	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.74	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	Heptachlorodibenzo-P-Dioxin	1270	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	HEXACHLORODIBENZOFURAN	153	pg/g	J			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	175	pg/g	J			✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	OCTACHLORODIBENZOFURAN	244	pg/g				✓
SIB-SC-F32-1-2-07082022	20006019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7180	pg/g	E	J	ACR	
SIB-SC-F32-1-2-07082022	20006019	E1613B	PENTACHLORO DIBENZOFURAN	80.5	pg/g	JK	J	VJ	
SIB-SC-F32-1-2-07082022	20006019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	27.5	pg/g	JK	J	VJ	
SIB-SC-F32-1-2-07082022	20006019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.7	pg/g	JK	J	VJ	
SIB-SC-F32-1-2-07082022	20006019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10	pg/g	JK	J	VJ	
SIB-SC-F32-1-2-07082022	20006019	E1613B	TOTAL HpCDFs	329	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	57.9	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	227	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.54	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.17	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.72	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.57	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.35	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.08	pg/g	BJ	U	MBL	
SIB-SC-F32-2-3-07082022	20006020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.46	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.12	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.8	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.3	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.8	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.6	pg/g		DNR	EXC	
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.32	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	Heptachlorodibenzo-P-Dioxin	558	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	HEXACHLORODIBENZOFURAN	116	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	74.8	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	OCTACHLORODIBENZOFURAN	173	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3980	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	PENTACHLORO DIBENZOFURAN	113	pg/g	J			✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.9	pg/g	JK	J	VJ	
SIB-SC-F32-2-3-07082022	20006020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.7	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.35	pg/g				✓
SIB-SC-F32-2-3-07082022	20006020	E1613B	TOTAL HpCDFs	233	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.5	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	98.1	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.4	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.3	pg/g	BJ			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.638	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.69	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.4	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.37	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.445	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.527	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.14	pg/g	BJ			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.14	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.5	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.6	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.496	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F32-3-4-07082022	20006021	E1613B	Heptachlorodibenzo-P-Dioxin	243	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	HEXACHLORODIBENZOFURAN	28.8	pg/g	J			✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	27.1	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	OCTACHLORODIBENZOFURAN	57.2	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1540	pg/g				✓
SIB-SC-F32-3-4-07082022	20006021	E1613B	PENTACHLORO DIBENZOFURAN	18.4	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.17	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.85	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.4	pg/g	JK	J	VJ	
SIB-SC-F32-3-4-07082022	20006021	E1613B	TOTAL HpCDFs	71	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.26	pg/g	BJ	U	MBL	
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	10.5	pg/g				✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.274	pg/g	BJ	U	MBL	
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.207	pg/g	JK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.384	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.274	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.199	pg/g	BJ	U	MBL	
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.338	pg/g				✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.585	pg/g				✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.228	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	Heptachlorodibenzo-P-Dioxin	24.5	pg/g				✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	HEXACHLORODIBENZOFURAN	3.58	pg/g	BJK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.95	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	OCTACHLORODIBENZOFURAN	5.04	pg/g	J			✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	174	pg/g				✓
SIB-SC-F32-4-5-07082022	20006022	E1613B	PENTACHLORO DIBENZOFURAN	2.35	pg/g	BJK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.616	pg/g	JK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.02	pg/g	JK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.49	pg/g	JK	J	VJ	
SIB-SC-F32-4-5-07082022	20006022	E1613B	TOTAL HpCDFs	7.31	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.246	pg/g	BJ	U	MBL	
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.635	pg/g	BJ	U	MBL	
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.082	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0193	pg/g				✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.26	pg/g				✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	Heptachlorodibenzo-P-Dioxin	1.7	pg/g	BJ			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	HEXACHLORODIBENZOFURAN	0.206	pg/g	BJK	J	VJ	
SIB-SC-F32-5-6-07082022	20006023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.815	pg/g	JK	J	VJ	
SIB-SC-F32-5-6-07082022	20006023	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.65	pg/g	BJ			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	PENTACHLORO DIBENZOFURAN	0.176	pg/g	BJ			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F32-5-6-07082022	20006023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.355	pg/g	JK	J	VJ	
SIB-SC-F32-5-6-07082022	20006023	E1613B	TOTAL HpCDFs	0.399	pg/g	BJK	J	VJ	
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.8	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	263	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.11	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.06	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.59	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.78	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.49	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.84	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.23	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F31-1-2-07082022	20006024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.39	pg/g	JK	J	VJ	
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.18	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.8	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.2	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.2	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.47	pg/g	K	DNR	EXC	
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.58	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.396	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	Heptachlorodibenzo-P-Dioxin	522	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	HEXACHLORODIBENZOFURAN	86.9	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	74.4	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	OCTACHLORODIBENZOFURAN	125	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3090	pg/g				✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	PENTACHLORO DIBENZOFURAN	46.4	pg/g	J			✓
SIB-SC-F31-1-2-07082022	20006024	E1613B	PENTACHLORODIBENZO-P-DIOXIN	12.5	pg/g	JK	J	VJ	
SIB-SC-F31-1-2-07082022	20006024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19.5	pg/g	JK	J	VJ	
SIB-SC-F31-1-2-07082022	20006024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.6	pg/g	JK	J	VJ	
SIB-SC-F31-1-2-07082022	20006024	E1613B	TOTAL HpCDFs	185	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	70.2	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.11	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.26	pg/g	BJ			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.656	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.62	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.31	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.462	pg/g	BJ	U	MBL	
SIB-SC-F31-2-3-07082022	20006025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.528	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.952	pg/g	BJ			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.754	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.13	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.15	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.522	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.244	pg/g	JK	J	VJ	
SIB-SC-F31-2-3-07082022	20006025	E1613B	Heptachlorodibenzo-P-Dioxin	165	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	HEXACHLORODIBENZOFURAN	24.5	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F31-2-3-07082022	20006025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	23.2	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	OCTACHLORODIBENZOFURAN	38	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1230	pg/g				✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	PENTACHLORO DIBENZOFURAN	15.3	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.45	pg/g	J			✓
SIB-SC-F31-2-3-07082022	20006025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.1	pg/g	JK	J	VJ	
SIB-SC-F31-2-3-07082022	20006025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.35	pg/g	JK	J	VJ	
SIB-SC-F31-2-3-07082022	20006025	E1613B	TOTAL HpCDFs	54.5	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	83.2	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	375	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.94	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.13	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.64	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.47	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.68	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.43	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.35	pg/g	BJ			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.93	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.16	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g		DNR	EXC	
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	pg/g	K	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.472	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	Heptachlorodibenzo-P-Dioxin	823	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	HEXACHLORODIBENZOFURAN	123	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	108	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	OCTACHLORODIBENZOFURAN	261	pg/g				✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5840	pg/g	E	J	ACR	
SIB-SC-F31-3-4-07082022	20006026	E1613B	PENTACHLORO DIBENZOFURAN	75.8	pg/g	J			✓
SIB-SC-F31-3-4-07082022	20006026	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.1	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.6	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.09	pg/g	JK	J	VJ	
SIB-SC-F31-3-4-07082022	20006026	E1613B	TOTAL HpCDFs	312	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	83.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	330	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.94	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.04	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.17	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.57	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.75	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.31	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.34	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.926	pg/g	BJ	U	MBL	
SIB-SC-F31-4-5-07082022	20006027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.23	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.74	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.77	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.6	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.6	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.609	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.504	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	Heptachlorodibenzo-P-Dioxin	875	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	HEXACHLORODIBENZOFURAN	127	pg/g	JK	J	VJ	
SIB-SC-F31-4-5-07082022	20006027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	99.5	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	OCTACHLORODIBENZOFURAN	308	pg/g				✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7710	pg/g	E	J	ACR	
SIB-SC-F31-4-5-07082022	20006027	E1613B	PENTACHLORO DIBENZOFURAN	74.1	pg/g	JK	J	VJ	
SIB-SC-F31-4-5-07082022	20006027	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.1	pg/g	J			✓
SIB-SC-F31-4-5-07082022	20006027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19.2	pg/g	JK	J	VJ	
SIB-SC-F31-4-5-07082022	20006027	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.13	pg/g	JK	J	VJ	
SIB-SC-F31-4-5-07082022	20006027	E1613B	TOTAL HpCDFs	346	pg/g	J			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	137	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	519	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.92	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.87	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.49	pg/g	J			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.61	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.2	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.96	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.51	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	BJ			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.18	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.71	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.6	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.6	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.861	pg/g	J			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.818	pg/g	K	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	Heptachlorodibenzo-P-Dioxin	1400	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	HEXACHLORODIBENZOFURAN	192	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	HEXACHLORODIBENZO-P-DIOXIN	158	pg/g	J			✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	OCTACHLORODIBENZOFURAN	567	pg/g				✓
SIB-SC-F31-5-6-07082022	20006028	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12400	pg/g	E	J	ACR	
SIB-SC-F31-5-6-07082022	20006028	E1613B	PENTACHLORO DIBENZOFURAN	107	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.4	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	30	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.77	pg/g	JK	J	VJ	
SIB-SC-F31-5-6-07082022	20006028	E1613B	TOTAL HpCDFs	582	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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SDG: 20007

February 13, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20007	SIB-SC-E31-1-2-07/09/2022	20007001	SE	✓
20007	FD-06-07/09/2022	20007002	SE	✓
20007	SIB-SC-E31-2-3-07092022	20007003	SE	✓
20007	SIB-SC-E31-3-4-07092022	20007006	SE	✓
20007	SIB-SC-E31-4-5-07092022	20007007	SE	✓
20007	SIB-SC-E31-5-6-07092022	20007008	SE	✓
20007	SIB-SC-E32-1-2-07092022	20007009	SE	✓
20007	SIB-SC-E32-2-3-07092022	20007010	SE	✓
20007	SIB-SC-E32-3-4-07092022	20007011	SE	✓
20007	SIB-SC-E32-4-5-07092022	20007012	SE	✓
20007	SIB-SC-E32-5-6-07092022	20007013	SE	✓
20007	SIB-SC-D30-1-2-07092022	20007016	SE	✓
20007	SIB-SC-D30-2-3-07092022	20007017	SE	✓
20007	SIB-SC-D30-3-4-07092022	20007018	SE	✓
20007	SIB-SC-D30-4-5-07092022	20007021	SE	✓
20007	SIB-SC-D30-5-6-07092022	20007022	SE	✓
20007	SIB-SC-D31-1-2-07092022	20007023	SE	✓
20007	SIB-SC-D31-2-3-07092022	20007024	SE	✓
20007	SIB-SC-D31-3-4-07092022	20007025	SE	✓
20007	SIB-SC-D31-4-5-07092022	20007026	SE	✓
20007	SIB-SC-D31-5-6-07092022	20007027	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20007	21 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50478: Multiple analytes were detected; however, all associated field sample results were greater than the 5x action levels; no data were qualified.

Extraction Batch 50752: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E32-1-2-07/09/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E32-2-3-07/09/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E32-3-4-07/09/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-D30-5-6-07/09/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D31-1-2-07/09/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D31-5-6-07/09/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50478, the MS/MSD analyses were performed using Sample SIB-SC-E31-2-3-07/09/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDF	69	OK	OK	J-MSL
1,2,3,4,6,7,8,9-OCDF	41	OK	OK	J-MSL

For Extraction Batch, 50752, MS/MSD analyses were performed on two samples. The first MS/MSD was performed using Sample SIB-SC-E32-5-6-07/09/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,6,7,8-HxCDD	OK	OK	24.2	J-MSP
1,2,3,4,6,7,8-HpCDD	383	-194	144	J-MSH,MSLX,MSP
1,2,3,4,6,7,8-HpCDF	161	44	72.0	J-MSH,MSL,MSP
OCDF	183	21	86.8	J-MSH,MSL,MSP
OCDD	Parent conc. > 4x spike		183	J-MSP

The second MS/MSD analyses were performed using Sample SIB-SC-D30-3-4-07/09/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDF	6	36	OK	J-MSLX,MSL
1,2,3,4,6,7,8,9-OCDF	-58	-49	OK	J-MSLX

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-E31-1-2-07/09/2022 & FD-06-07/09/2022, was submitted. The following outliers required qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
OCDD	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HpCDD	Difference	J-FDPA
1,2,3,4,7,8-HxCDF	Difference	J/UJ-FDPA
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
1,2,3,7,8,9-HxCDD	Difference	J/UJ-FDPA
2,3,7,8-TCDF	Difference	J/UJ-FDPA
OCDF	Difference	J-FDPA
Total HpCDD	RPD	J-FDPR
Total HxCDF	Difference	J-FDPA
Total HxCDD	Difference	J-FDPA
Total PeCDF	Difference	J-FDPA
Total PeCDD	Difference	J-FDPA
Total TCDF	Difference	J/UJ-FDPA
Total TCDD	Difference	J/UJ-FDPA
Total HpCDF	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD, recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	112	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	654	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.63	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.94	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.31	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.05	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.3	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.49	pg/g	J			✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.3	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.98	pg/g	BJ			✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.04	pg/g	K	J	VJ	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.09	pg/g	K	J	VJ	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.78	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.3	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.3	pg/g				✓
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.5	pg/g		DNR	EXC	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.8	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.39	pg/g	K	J	VJ	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	Heptachlorodibenzo-P-Dioxin	1460	pg/g		J	FDPR	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	HEXACHLORODIBENZOFURAN	188	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	272	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	OCTACHLORODIBENZOFURAN	335	pg/g		J	FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8750	pg/g	E	J	FDPR,ACR	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	PENTACHLORO DIBENZOFURAN	119	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	43.2	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	57	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.5	pg/g	JK	J	VJ,FDPA	
SIB-SC-E31-1-2-07/09/2022	20007001	E1613B	TOTAL HpCDFs	430	pg/g	J	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.25	pg/g	BJ	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	21	pg/g		J	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U	UJ	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	J	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	FDPA	
FD-06-07/09/2022	20007002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-06-07/09/2022	20007002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.458	pg/g				✓
FD-06-07/09/2022	20007002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.39	pg/g				✓
FD-06-07/09/2022	20007002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U	UJ	FDPA	
FD-06-07/09/2022	20007002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-06-07/09/2022	20007002	E1613B	Heptachlorodibenzo-P-Dioxin	50.3	pg/g		J	FDPR	
FD-06-07/09/2022	20007002	E1613B	HEXACHLORODIBENZOFURAN	5.28	pg/g	JK	J	VJ,FDPA	
FD-06-07/09/2022	20007002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.44	pg/g	J	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	OCTACHLORODIBENZOFURAN	11.8	pg/g		J	FDPA	
FD-06-07/09/2022	20007002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	341	pg/g		J	FDPR	
FD-06-07/09/2022	20007002	E1613B	PENTACHLORO DIBENZOFURAN	3.51	pg/g	BJ	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.84	pg/g	J	J	FDPA	
FD-06-07/09/2022	20007002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U	UJ	FDPA	
FD-06-07/09/2022	20007002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	FDPA	
FD-06-07/09/2022	20007002	E1613B	TOTAL HpCDFs	13.4	pg/g	J	J	FDPA	
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	217	pg/g		J	MSL	
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	975	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.1	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.61	pg/g	K	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	20.2	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	35.2	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.97	pg/g	J			✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.2	pg/g	K	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.72	pg/g	J			✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.53	pg/g	K	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	38.8	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	38.8	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.18	pg/g		DNR	EXC	
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.59	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.27	pg/g				✓
SIB-SC-E31-2-3-07092022	20007003	E1613B	Heptachlorodibenzo-P-Dioxin	2320	pg/g	E	J	ACR	
SIB-SC-E31-2-3-07092022	20007003	E1613B	HEXACHLORODIBENZOFURAN	348	pg/g	JK	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	333	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E31-2-3-07092022	20007003	E1613B	OCTACHLORODIBENZOFURAN	711	pg/g		J	MSL	
SIB-SC-E31-2-3-07092022	20007003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16800	pg/g	E	J	ACR	
SIB-SC-E31-2-3-07092022	20007003	E1613B	PENTACHLORO DIBENZOFURAN	210	pg/g	JK	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	59.8	pg/g	JK	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	75.4	pg/g	K	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.2	pg/g	JK	J	VJ	
SIB-SC-E31-2-3-07092022	20007003	E1613B	TOTAL HpCDFs	869	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	44.2	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	246	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.09	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.98	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.92	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.65	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.89	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.06	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.58	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.14	pg/g	BJK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.33	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.45	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.5	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.5	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	pg/g		DNR	EXC	
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.55	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.724	pg/g	K	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	Heptachlorodibenzo-P-Dioxin	582	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	HEXACHLORODIBENZOFURAN	77.5	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	92.2	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	OCTACHLORODIBENZOFURAN	139	pg/g				✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4160	pg/g	E	J	ACR	
SIB-SC-E31-3-4-07092022	20007006	E1613B	PENTACHLORO DIBENZOFURAN	52.2	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.7	pg/g	J			✓
SIB-SC-E31-3-4-07092022	20007006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.11	pg/g	JK	J	VJ	
SIB-SC-E31-3-4-07092022	20007006	E1613B	TOTAL HpCDFs	177	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.3	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	446	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.74	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.2	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.25	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.88	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.5	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.41	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.91	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.4	pg/g	BJ			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.47	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.85	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.5	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.8	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.8	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.19	pg/g		DNR	EXC	
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.29	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.945	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	Heptachlorodibenzo-P-Dioxin	1020	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	HEXACHLORODIBENZOFURAN	123	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	159	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	OCTACHLORODIBENZOFURAN	227	pg/g				✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6960	pg/g	E	J	ACR	
SIB-SC-E31-4-5-07092022	20007007	E1613B	PENTACHLORO DIBENZOFURAN	76.4	pg/g	JK	J	VJ	
SIB-SC-E31-4-5-07092022	20007007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	27.6	pg/g	J			✓
SIB-SC-E31-4-5-07092022	20007007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	34.6	pg/g	JK	J	VJ	
SIB-SC-E31-4-5-07092022	20007007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.22	pg/g	JK	J	VJ	
SIB-SC-E31-4-5-07092022	20007007	E1613B	TOTAL HpCDFs	285	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	119	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	759	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.94	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.51	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.62	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.69	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.1	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.33	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.2	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.54	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.33	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.03	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.36	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.2	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.2	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.87	pg/g	K	DNR	EXC	
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.99	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.55	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	Heptachlorodibenzo-P-Dioxin	1600	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	HEXACHLORODIBENZOFURAN	190	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	222	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	OCTACHLORODIBENZOFURAN	394	pg/g				✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11700	pg/g	E	J	ACR	
SIB-SC-E31-5-6-07092022	20007008	E1613B	PENTACHLORO DIBENZOFURAN	116	pg/g	JK	J	VJ	
SIB-SC-E31-5-6-07092022	20007008	E1613B	PENTACHLORODIBENZO-P-DIOXIN	37	pg/g	J			✓
SIB-SC-E31-5-6-07092022	20007008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.4	pg/g	JK	J	VJ	
SIB-SC-E31-5-6-07092022	20007008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.7	pg/g	JK	J	VJ	
SIB-SC-E31-5-6-07092022	20007008	E1613B	TOTAL HpCDFs	462	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.66	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	27.3	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.697	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.658	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.259	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	BJ			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.29	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.268	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.541	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.344	pg/g	BJ	U	MBL	
SIB-SC-E32-1-2-07092022	20007009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.257	pg/g	BJ	U	MBL	
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.629	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.502	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.56	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.56	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.321	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.135	pg/g	J			✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	Heptachlorodibenzo-P-Dioxin	70.3	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	HEXACHLORODIBENZOFURAN	14.8	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	11	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	OCTACHLORODIBENZOFURAN	21.6	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	471	pg/g				✓
SIB-SC-E32-1-2-07092022	20007009	E1613B	PENTACHLORO DIBENZOFURAN	10.4	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E32-1-2-07092022	20007009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.63	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.23	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.664	pg/g	JK	J	VJ	
SIB-SC-E32-1-2-07092022	20007009	E1613B	TOTAL HpCDFs	25.8	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	52.9	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.05	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.8	pg/g	BJ			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.489	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.16	pg/g	BJK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.62	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.515	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.12	pg/g	BJ			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.61	pg/g	BJ	U	MBL	
SIB-SC-E32-2-3-07092022	20007010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.358	pg/g	BJ	U	MBL	
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.877	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.896	pg/g	J			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.39	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.46	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.571	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	Heptachlorodibenzo-P-Dioxin	113	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	HEXACHLORODIBENZOFURAN	22.7	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	18.8	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	OCTACHLORODIBENZOFURAN	29.2	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	570	pg/g				✓
SIB-SC-E32-2-3-07092022	20007010	E1613B	PENTACHLORO DIBENZOFURAN	12.8	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.18	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.63	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.513	pg/g	JK	J	VJ	
SIB-SC-E32-2-3-07092022	20007010	E1613B	TOTAL HpCDFs	39.9	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.2	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	55	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.05	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.14	pg/g	BJK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.517	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.05	pg/g	BJ			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.39	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.384	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.29	pg/g	BJ			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.346	pg/g	BJ	U	MBL	
SIB-SC-E32-3-4-07092022	20007011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.342	pg/g	BJ	U	MBL	
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.889	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.783	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.5	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.5	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.462	pg/g	BJ	U	MBL	
SIB-SC-E32-3-4-07092022	20007011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.22	pg/g	J			✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	Heptachlorodibenzo-P-Dioxin	115	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	HEXACHLORODIBENZOFURAN	19	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	18.1	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	OCTACHLORODIBENZOFURAN	35.2	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	637	pg/g				✓
SIB-SC-E32-3-4-07092022	20007011	E1613B	PENTACHLORO DIBENZOFURAN	12.2	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.78	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.67	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.922	pg/g	JK	J	VJ	
SIB-SC-E32-3-4-07092022	20007011	E1613B	TOTAL HpCDFs	40.4	pg/g	JK	J	VJ	
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	126	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	617	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.83	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.41	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.27	pg/g	J			✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.8	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.04	pg/g	J			✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.3	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.39	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.13	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.61	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.6	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.6	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.34	pg/g		DNR	EXC	
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.57	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.53	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E32-4-5-07092022	20007012	E1613B	Heptachlorodibenzo-P-Dioxin	1440	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	HEXACHLORODIBENZOFURAN	227	pg/g	JK	J	VJ	
SIB-SC-E32-4-5-07092022	20007012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	234	pg/g	J			✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	OCTACHLORODIBENZOFURAN	373	pg/g				✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9230	pg/g	E	J	ACR	
SIB-SC-E32-4-5-07092022	20007012	E1613B	PENTACHLORO DIBENZOFURAN	132	pg/g	JK	J	VJ	
SIB-SC-E32-4-5-07092022	20007012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.3	pg/g	J			✓
SIB-SC-E32-4-5-07092022	20007012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	60.1	pg/g	JK	J	VJ	
SIB-SC-E32-4-5-07092022	20007012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.4	pg/g	JK	J	VJ	
SIB-SC-E32-4-5-07092022	20007012	E1613B	TOTAL HpCDFs	460	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	58	pg/g		J	MSH,MSL,MSP	
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	304	pg/g		J	MSH,MSL,MSP	
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.65	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.92	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.65	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.34	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.3	pg/g		J	MSP	
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.67	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.3	pg/g	BJ			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.02	pg/g	JK	J	VJ	
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.33	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.1	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.1	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.89	pg/g		DNR	EXC	
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.19	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.807	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	Heptachlorodibenzo-P-Dioxin	672	pg/g				✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	HEXACHLORODIBENZOFURAN	105	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	116	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	OCTACHLORODIBENZOFURAN	167	pg/g		J	MSH,MSL,MSP	
SIB-SC-E32-5-6-07092022	20007013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3910	pg/g		J	MSP	
SIB-SC-E32-5-6-07092022	20007013	E1613B	PENTACHLORO DIBENZOFURAN	59.4	pg/g	J			✓
SIB-SC-E32-5-6-07092022	20007013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20	pg/g	JK	J	VJ	
SIB-SC-E32-5-6-07092022	20007013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.7	pg/g	JK	J	VJ	
SIB-SC-E32-5-6-07092022	20007013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.69	pg/g	JK	J	VJ	
SIB-SC-E32-5-6-07092022	20007013	E1613B	TOTAL HpCDFs	208	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	36.3	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	212	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.61	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.75	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.52	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.95	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.5	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.79	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.06	pg/g	BJ			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.44	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.81	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.42	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.36	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.36	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.82	pg/g		DNR	EXC	
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.21	pg/g	K	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.538	pg/g	K	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	Heptachlorodibenzo-P-Dioxin	471	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	HEXACHLORODIBENZOFURAN	70.6	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.6	pg/g	J			✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	OCTACHLORODIBENZOFURAN	111	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2730	pg/g				✓
SIB-SC-D30-1-2-07092022	20007016	E1613B	PENTACHLORO DIBENZOFURAN	41.6	pg/g	JK	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.1	pg/g	JK	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24	pg/g	JK	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.83	pg/g	JK	J	VJ	
SIB-SC-D30-1-2-07092022	20007016	E1613B	TOTAL HpCDFs	134	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	99.2	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	423	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.09	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.22	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.91	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.38	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.4	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.32	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.22	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.48	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D30-2-3-07092022	20007017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.09	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.3	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.04	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.2	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.2	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.86	pg/g		DNR	EXC	
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.11	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.845	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	Heptachlorodibenzo-P-Dioxin	908	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	HEXACHLORODIBENZOFURAN	163	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	142	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	OCTACHLORODIBENZOFURAN	308	pg/g				✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5660	pg/g	E	J	ACR	
SIB-SC-D30-2-3-07092022	20007017	E1613B	PENTACHLORO DIBENZOFURAN	104	pg/g	J			✓
SIB-SC-D30-2-3-07092022	20007017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.2	pg/g	JK	J	VJ	
SIB-SC-D30-2-3-07092022	20007017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	39.9	pg/g	JK	J	VJ	
SIB-SC-D30-2-3-07092022	20007017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.19	pg/g	JK	J	VJ	
SIB-SC-D30-2-3-07092022	20007017	E1613B	TOTAL HpCDFs	349	pg/g	J			✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	135	pg/g		J	MSLX,MSL	
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	610	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.2	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.27	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.37	pg/g	J			✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.2	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.7	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.86	pg/g	J			✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.9	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.82	pg/g	J			✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.91	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.55	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.16	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.9	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	24.9	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.19	pg/g		DNR	EXC	
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.19	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.38	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	Heptachlorodibenzo-P-Dioxin	1420	pg/g				✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	HEXACHLORODIBENZOFURAN	238	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D30-3-4-07092022	20007018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	219	pg/g	J			✓
SIB-SC-D30-3-4-07092022	20007018	E1613B	OCTACHLORODIBENZOFURAN	445	pg/g		J	MSLX	
SIB-SC-D30-3-4-07092022	20007018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9150	pg/g	E	J	ACR	
SIB-SC-D30-3-4-07092022	20007018	E1613B	PENTACHLORO DIBENZOFURAN	159	pg/g	JK	J	VJ	
SIB-SC-D30-3-4-07092022	20007018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	38.1	pg/g	JK	J	VJ	
SIB-SC-D30-3-4-07092022	20007018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	57.6	pg/g	JK	J	VJ	
SIB-SC-D30-3-4-07092022	20007018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.6	pg/g	JK	J	VJ	
SIB-SC-D30-3-4-07092022	20007018	E1613B	TOTAL HpCDFs	512	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	64.1	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	346	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.54	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.12	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.18	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.92	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.84	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.5	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.44	pg/g	BJ			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.89	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.7	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.75	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.8	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.8	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	pg/g		DNR	EXC	
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.75	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.868	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	Heptachlorodibenzo-P-Dioxin	807	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	HEXACHLORODIBENZOFURAN	118	pg/g	JK	J	VJ	
SIB-SC-D30-4-5-07092022	20007021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	126	pg/g	JK	J	VJ	
SIB-SC-D30-4-5-07092022	20007021	E1613B	OCTACHLORODIBENZOFURAN	198	pg/g				✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4850	pg/g	E	J	ACR	
SIB-SC-D30-4-5-07092022	20007021	E1613B	PENTACHLORO DIBENZOFURAN	77.2	pg/g	JK	J	VJ	
SIB-SC-D30-4-5-07092022	20007021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	21.2	pg/g	JK	J	VJ	
SIB-SC-D30-4-5-07092022	20007021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.7	pg/g	JK	J	VJ	
SIB-SC-D30-4-5-07092022	20007021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.13	pg/g	J			✓
SIB-SC-D30-4-5-07092022	20007021	E1613B	TOTAL HpCDFs	241	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.1	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	178	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.81	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.26	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.63	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.53	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.3	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.726	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.598	pg/g	BJ			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.54	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.79	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.04	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.898	pg/g	BJ			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	Heptachlorodibenzo-P-Dioxin	358	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	HEXACHLORODIBENZOFURAN	42.1	pg/g	J			✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	OCTACHLORODIBENZOFURAN	90.1	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2150	pg/g				✓
SIB-SC-D30-5-6-07092022	20007022	E1613B	PENTACHLORO DIBENZOFURAN	22.7	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	PENTACHLORODIBENZO-P-DIOXIN	11.3	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.1	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.34	pg/g	JK	J	VJ	
SIB-SC-D30-5-6-07092022	20007022	E1613B	TOTAL HpCDFs	92.4	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.5	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	145	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.49	pg/g	BJ			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.826	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.21	pg/g	BJK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.92	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.518	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.543	pg/g	BJ	U	MBL	
SIB-SC-D31-1-2-07092022	20007023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.614	pg/g	BJ			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.07	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.54	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.54	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.13	pg/g	B	DNR	EXC	
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	pg/g	B			✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.25	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	Heptachlorodibenzo-P-Dioxin	326	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	HEXACHLORODIBENZOFURAN	27.4	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	45.9	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	OCTACHLORODIBENZOFURAN	34.4	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1390	pg/g				✓
SIB-SC-D31-1-2-07092022	20007023	E1613B	PENTACHLORO DIBENZOFURAN	15.7	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	PENTACHLORODIBENZO-P-DIOXIN	5.87	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.66	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.97	pg/g	JK	J	VJ	
SIB-SC-D31-1-2-07092022	20007023	E1613B	TOTAL HpCDFs	47	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	87.4	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	408	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.57	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.3	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.06	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.91	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.5	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.42	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.6	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.53	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.93	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.93	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.9	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.7	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.7	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.54	pg/g		DNR	EXC	
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.39	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.748	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	Heptachlorodibenzo-P-Dioxin	911	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	HEXACHLORODIBENZOFURAN	146	pg/g	J			✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	131	pg/g	JK	J	VJ	
SIB-SC-D31-2-3-07092022	20007024	E1613B	OCTACHLORODIBENZOFURAN	283	pg/g				✓
SIB-SC-D31-2-3-07092022	20007024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5500	pg/g	E	J	ACR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D31-2-3-07092022	20007024	E1613B	PENTACHLORO DIBENZOFURAN	81.2	pg/g	JK	J	VJ	
SIB-SC-D31-2-3-07092022	20007024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	22.2	pg/g	JK	J	VJ	
SIB-SC-D31-2-3-07092022	20007024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	39.6	pg/g	JK	J	VJ	
SIB-SC-D31-2-3-07092022	20007024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.18	pg/g	JK	J	VJ	
SIB-SC-D31-2-3-07092022	20007024	E1613B	TOTAL HpCDFs	324	pg/g	J			✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	101	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	478	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.69	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.09	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.78	pg/g	J			✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.3	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.21	pg/g	J			✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.29	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.47	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.7	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.33	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.5	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.5	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.28	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.76	pg/g		DNR	EXC	
SIB-SC-D31-3-4-07092022	20007025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.04	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	Heptachlorodibenzo-P-Dioxin	1100	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	HEXACHLORODIBENZOFURAN	179	pg/g	JK	J	VJ	
SIB-SC-D31-3-4-07092022	20007025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	174	pg/g	JK	J	VJ	
SIB-SC-D31-3-4-07092022	20007025	E1613B	OCTACHLORODIBENZOFURAN	301	pg/g				✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6990	pg/g	E	J	ACR	
SIB-SC-D31-3-4-07092022	20007025	E1613B	PENTACHLORO DIBENZOFURAN	119	pg/g	JK	J	VJ	
SIB-SC-D31-3-4-07092022	20007025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	30.4	pg/g	JK	J	VJ	
SIB-SC-D31-3-4-07092022	20007025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.6	pg/g	JK	J	VJ	
SIB-SC-D31-3-4-07092022	20007025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.3	pg/g	J			✓
SIB-SC-D31-3-4-07092022	20007025	E1613B	TOTAL HpCDFs	367	pg/g	J			✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	103	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	563	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.85	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.91	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.05	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.72	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.3	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.33	pg/g	J			✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.33	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.12	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.19	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.4	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.4	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3	pg/g		DNR	EXC	
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.93	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.23	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	Heptachlorodibenzo-P-Dioxin	1200	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	HEXACHLORODIBENZOFURAN	172	pg/g	J			✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	202	pg/g	JK	J	VJ	
SIB-SC-D31-4-5-07092022	20007026	E1613B	OCTACHLORODIBENZOFURAN	311	pg/g				✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7430	pg/g	E	J	ACR	
SIB-SC-D31-4-5-07092022	20007026	E1613B	PENTACHLORO DIBENZOFURAN	91	pg/g	JK	J	VJ	
SIB-SC-D31-4-5-07092022	20007026	E1613B	PENTACHLORODIBENSO-P-DIOXIN	35.1	pg/g	JK	J	VJ	
SIB-SC-D31-4-5-07092022	20007026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	36.3	pg/g	JK	J	VJ	
SIB-SC-D31-4-5-07092022	20007026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13	pg/g	J			✓
SIB-SC-D31-4-5-07092022	20007026	E1613B	TOTAL HpCDFs	364	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	9.99	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	53.2	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.973	pg/g	JK	J	VJ	
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.765	pg/g	BJ	U	MBL	
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.501	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.17	pg/g	BJ			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.03	pg/g	BJ			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.352	pg/g	BJ	U	MBL	
SIB-SC-D31-5-6-07092022	20007027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.3	pg/g	BJ	U	MBL	
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.795	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.727	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.21	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.37	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.573	pg/g	BJ	U	MBL	
SIB-SC-D31-5-6-07092022	20007027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	Heptachlorodibenzo-P-Dioxin	118	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	HEXACHLORODIBENZOFURAN	18.5	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	OCTACHLORODIBENZOFURAN	34.3	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	767	pg/g				✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	PENTACHLORO DIBENZOFURAN	13.9	pg/g	JK	J	VJ	
SIB-SC-D31-5-6-07092022	20007027	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.98	pg/g	J			✓
SIB-SC-D31-5-6-07092022	20007027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.35	pg/g	JK	J	VJ	
SIB-SC-D31-5-6-07092022	20007027	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.685	pg/g	JK	J	VJ	
SIB-SC-D31-5-6-07092022	20007027	E1613B	TOTAL HpCDFs	37.9	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20008

February 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20008	SIB-SC-C30-1-2-07092022	20008001	SE	✓
20008	SIB-SC-C30-2-3-07092022	20008002	SE	✓
20008	SIB-SC-C30-3-4-07092022	20008003	SE	✓
20008	SIB-SC-C30-4-5-07092022	20008004	SE	✓
20008	SIB-SC-C30-5-6-07092022	20008005	SE	✓
20008	SIB-SC-C28-0-1-07092022	20008006	SE	✓
20008	SIB-SC-C28-1-2-07092022	20008007	SE	✓
20008	SIB-SC-C28-2-3-07092022	20008008	SE	✓
20008	SIB-SC-C28-3-4-07092022	20008009	SE	✓
20008	SIB-SC-C28-4-5-07092022	20008010	SE	✓
20008	SIB-SC-C28-5-6-07092022	20008011	SE	✓
20008	SIB-SC-E29-1-2-07102022	20008012	SE	✓
20008	SIB-SC-E29-2-3-07102022	20008013	SE	✓
20008	SIB-SC-E29-3-4-07102022	20008014	SE	✓
20008	SIB-SC-E29-4-5-07102022	20008015	SE	✓
20008	SIB-SC-E29-5-6-07102022	20008016	SE	✓
20008	SIB-SC-E28-1-2-07102022	20008017	SE	✓
20008	SIB-SC-E28-2-3-07102022	20008018	SE	✓
20008	SIB-SC-E28-3-4-07/10/2022	20008019	SE	✓
20008	FD-07-07/10/2022	20008020	SE	✓
20008	SIB-SC-E28-4-5-07102022	20008021	SE	✓
20008	SIB-SC-E28-5-6-07102022	20008022	SE	✓
20008	SIB-SC-C31-1-2-07102022	20008025	SE	✓
20008	SIB-SC-C31-2-3-07102022	20008026	SE	✓
20008	SIB-SC-C31-3-4-07102022	20008027	SE	✓
20008	SIB-SC-C31-4-5-07102022	20008028	SE	✓
20008	SIB-SC-C31-5-6-07102022	20008029	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20008	27 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffices were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50755: Multiple analytes were detected, however, all associated field sample results were greater than the 5x action levels; no data were qualified.

Extraction Batch 50529: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-07-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-C28-5-6-07/09/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-C31-1-2-07/10/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-C31-2-3-07/10/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL

CLIENT ID	ANALYTE	QUALIFIER
	2,3,7,8-TCDF	U-MBL
SIB-SC-C31-3-4-07/10/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-C31-4-5-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-C31-5-6-07/10/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E28-2-3-07/10/2022	1,2,3,4,7,8,9-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E28-3-4-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E28-4-5-07/10/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDF	U-MBL
SIB-SC-E28-5-6-07/10/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E29-1-2-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E29-4-5-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E29-5-6-07/10/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-E28-3-4-07/10/2022 & FD-07-07/10/2022, was submitted. The difference value for Total TCDD was greater than the control limit; the parent and field duplicate results were estimated (J-FDPA).

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and a field duplicate precision outlier.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21.2	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	132	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.54	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.65	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.06	pg/g	J			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.94	pg/g	J			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.83	pg/g	K	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.53	pg/g	J			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.554	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.748	pg/g	J			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.67	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.49	pg/g	J			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.96	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.14	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.39	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.48	pg/g	K	DNR	EXC	
SIB-SC-C30-1-2-07092022	20008001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	Heptachlorodibenzo-P-Dioxin	306	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	HEXACHLORODIBENZOFURAN	36.5	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	49.9	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	OCTACHLORODIBENZOFURAN	80.2	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1920	pg/g				✓
SIB-SC-C30-1-2-07092022	20008001	E1613B	PENTACHLORO DIBENZOFURAN	19.3	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.29	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.6	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2	pg/g	JK	J	VJ	
SIB-SC-C30-1-2-07092022	20008001	E1613B	TOTAL HpCDFs	83.8	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.39	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	31.5	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.625	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.459	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.833	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C30-2-3-07092022	20008002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.613	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.533	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.19	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.63	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.785	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	Heptachlorodibenzo-P-Dioxin	71.4	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	HEXACHLORODIBENZOFURAN	11.2	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	14.8	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	OCTACHLORODIBENZOFURAN	15.8	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	388	pg/g				✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	PENTACHLORO DIBENZOFURAN	5.78	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.47	pg/g	J			✓
SIB-SC-C30-2-3-07092022	20008002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.21	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.513	pg/g	JK	J	VJ	
SIB-SC-C30-2-3-07092022	20008002	E1613B	TOTAL HpCDFs	21.5	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	44.8	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	207	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.43	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.69	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.17	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.85	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.53	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.01	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.48	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.09	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.41	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.83	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.03	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.03	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.45	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	pg/g		DNR	EXC	
SIB-SC-C30-3-4-07092022	20008003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.54	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	Heptachlorodibenzo-P-Dioxin	467	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	HEXACHLORODIBENZOFURAN	84	pg/g	J			✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	76	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C30-3-4-07092022	20008003	E1613B	OCTACHLORODIBENZOFURAN	115	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2870	pg/g				✓
SIB-SC-C30-3-4-07092022	20008003	E1613B	PENTACHLORO DIBENZOFURAN	41.6	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.1	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.4	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.96	pg/g	JK	J	VJ	
SIB-SC-C30-3-4-07092022	20008003	E1613B	TOTAL HpCDFs	161	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	69.1	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	306	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.68	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.3	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.41	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.53	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.3	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.52	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.66	pg/g	K	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.63	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.61	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.02	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.92	pg/g	J			✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.2	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.2	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.58	pg/g		DNR	EXC	
SIB-SC-C30-4-5-07092022	20008004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.769	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	Heptachlorodibenzo-P-Dioxin	734	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	HEXACHLORODIBENZOFURAN	125	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	107	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	OCTACHLORODIBENZOFURAN	224	pg/g				✓
SIB-SC-C30-4-5-07092022	20008004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5310	pg/g	E	J	ACR	
SIB-SC-C30-4-5-07092022	20008004	E1613B	PENTACHLORO DIBENZOFURAN	58.4	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.7	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	27.8	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.47	pg/g	JK	J	VJ	
SIB-SC-C30-4-5-07092022	20008004	E1613B	TOTAL HpCDFs	262	pg/g	J			✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	115	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	547	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.73	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.57	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.02	pg/g	J			✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.9	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	22.3	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.62	pg/g	J			✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.5	pg/g	K	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.58	pg/g	J			✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.11	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.51	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.02	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.8	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.8	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.17	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.52	pg/g		DNR	EXC	
SIB-SC-C30-5-6-07092022	20008005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.41	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	Heptachlorodibenzo-P-Dioxin	1260	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	HEXACHLORODIBENZOFURAN	194	pg/g	JK	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	200	pg/g	JK	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	OCTACHLORODIBENZOFURAN	362	pg/g				✓
SIB-SC-C30-5-6-07092022	20008005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8200	pg/g	E	J	ACR	
SIB-SC-C30-5-6-07092022	20008005	E1613B	PENTACHLORO DIBENZOFURAN	90.5	pg/g	JK	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.1	pg/g	JK	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	54.5	pg/g	K	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.4	pg/g	JK	J	VJ	
SIB-SC-C30-5-6-07092022	20008005	E1613B	TOTAL HpCDFs	414	pg/g	JK	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	121	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	633	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.2	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	27.3	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.07	pg/g	J			✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.8	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.23	pg/g	J			✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.9	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.16	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.97	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31.4	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31.4	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	12	pg/g		DNR	EXC	
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.07	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	Heptachlorodibenzo-P-Dioxin	1380	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	HEXACHLORODIBENZOFURAN	234	pg/g	JK	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	254	pg/g	J			✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	OCTACHLORODIBENZOFURAN	380	pg/g				✓
SIB-SC-C28-0-1-07092022	20008006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8010	pg/g	E	J	ACR	
SIB-SC-C28-0-1-07092022	20008006	E1613B	PENTACHLORO DIBENZOFURAN	123	pg/g	JK	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.8	pg/g	JK	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	89.1	pg/g	K	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.3	pg/g	JK	J	VJ	
SIB-SC-C28-0-1-07092022	20008006	E1613B	TOTAL HpCDFs	422	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21.1	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	103	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.84	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.689	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.81	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.01	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.753	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.82	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.12	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.541	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.26	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.43	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.952	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.04	pg/g		DNR	EXC	
SIB-SC-C28-1-2-07092022	20008007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	Heptachlorodibenzo-P-Dioxin	246	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	HEXACHLORODIBENZOFURAN	39.9	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.4	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	OCTACHLORODIBENZOFURAN	62.3	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1510	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C28-1-2-07092022	20008007	E1613B	PENTACHLORO DIBENZOFURAN	19.9	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.06	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.55	pg/g	JK	J	VJ	
SIB-SC-C28-1-2-07092022	20008007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.09	pg/g				✓
SIB-SC-C28-1-2-07092022	20008007	E1613B	TOTAL HpCDFs	76.7	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	68.5	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	352	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	5.94	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.12	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.76	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.35	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.8	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.1	pg/g	J			✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.89	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.14	pg/g	J			✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.2	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.79	pg/g	J			✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.9	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.77	pg/g		DNR	EXC	
SIB-SC-C28-2-3-07092022	20008008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g	K	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	Heptachlorodibenzo-P-Dioxin	803	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	HEXACHLORODIBENZOFURAN	137	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	139	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	OCTACHLORODIBENZOFURAN	208	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5080	pg/g	E	J	ACR	
SIB-SC-C28-2-3-07092022	20008008	E1613B	PENTACHLORO DIBENZOFURAN	67.8	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	26.6	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	37.5	pg/g				✓
SIB-SC-C28-2-3-07092022	20008008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-C28-2-3-07092022	20008008	E1613B	TOTAL HpCDFs	260	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	86	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	450	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.97	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.77	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.64	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.5	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.89	pg/g	J			✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.25	pg/g	BJ			✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.8	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.82	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.07	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.5	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.5	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.32	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.55	pg/g	B	DNR	EXC	
SIB-SC-C28-3-4-07092022	20008009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.2	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	Heptachlorodibenzo-P-Dioxin	1000	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	HEXACHLORODIBENZOFURAN	156	pg/g	JK	J	VJ	
SIB-SC-C28-3-4-07092022	20008009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	171	pg/g	J			✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	OCTACHLORODIBENZOFURAN	259	pg/g				✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6760	pg/g	E	J	ACR	
SIB-SC-C28-3-4-07092022	20008009	E1613B	PENTACHLORO DIBENZOFURAN	79.5	pg/g	J			✓
SIB-SC-C28-3-4-07092022	20008009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	32.1	pg/g	JK	J	VJ	
SIB-SC-C28-3-4-07092022	20008009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.5	pg/g	JK	J	VJ	
SIB-SC-C28-3-4-07092022	20008009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13	pg/g	JK	J	VJ	
SIB-SC-C28-3-4-07092022	20008009	E1613B	TOTAL HpCDFs	317	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	110	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	614	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.46	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.13	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.74	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.87	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.1	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.52	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.5	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.61	pg/g	BJ			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.08	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.21	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.3	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.65	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.94	pg/g		DNR	EXC	
SIB-SC-C28-4-5-07092022	20008010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.4	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	Heptachlorodibenzo-P-Dioxin	1330	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	HEXACHLORODIBENZOFURAN	182	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	233	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	OCTACHLORODIBENZOFURAN	381	pg/g				✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8940	pg/g	E	J	ACR	
SIB-SC-C28-4-5-07092022	20008010	E1613B	PENTACHLORO DIBENZOFURAN	88.4	pg/g	JK	J	VJ	
SIB-SC-C28-4-5-07092022	20008010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.7	pg/g	JK	J	VJ	
SIB-SC-C28-4-5-07092022	20008010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	58.2	pg/g	JK	J	VJ	
SIB-SC-C28-4-5-07092022	20008010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.2	pg/g	J			✓
SIB-SC-C28-4-5-07092022	20008010	E1613B	TOTAL HpCDFs	406	pg/g	J			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.5	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	152	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.9	pg/g	BJ	U	MBL	
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.19	pg/g	BJ	U	MBL	
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.41	pg/g	BJ			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.14	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.514	pg/g	JK	J	VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.93	pg/g	J			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.747	pg/g	BJ	U	MBL	
SIB-SC-C28-5-6-07092022	20008011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.929	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.91	pg/g	BJ			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.47	pg/g	BJ			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.11	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.06	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.02	pg/g	B	DNR	EXC	
SIB-SC-C28-5-6-07092022	20008011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.458	pg/g	J			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	Heptachlorodibenzo-P-Dioxin	321	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	HEXACHLORODIBENZOFURAN	41.1	pg/g	JK	J	VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	47.4	pg/g	J			✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	OCTACHLORODIBENZOFURAN	78.4	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2120	pg/g				✓
SIB-SC-C28-5-6-07092022	20008011	E1613B	PENTACHLORO DIBENZOFURAN	21	pg/g	JK	J	VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.12	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C28-5-6-07092022	20008011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.4	pg/g	JK	J	VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.17	pg/g	JK	J	VJ	
SIB-SC-C28-5-6-07092022	20008011	E1613B	TOTAL HpCDFs	86.5	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	28.7	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	145	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.46	pg/g	BJ			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.81	pg/g	BJ			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.73	pg/g	BJ			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.87	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.12	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.831	pg/g	BJ	U	MBL	
SIB-SC-E29-1-2-07102022	20008012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.12	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.98	pg/g	BJ			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.79	pg/g	BJ			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.48	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.52	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.43	pg/g	B	DNR	EXC	
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.71	pg/g	B			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.366	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	Heptachlorodibenzo-P-Dioxin	340	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	HEXACHLORODIBENZOFURAN	45.8	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	56.1	pg/g	J			✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	OCTACHLORODIBENZOFURAN	87.5	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1990	pg/g				✓
SIB-SC-E29-1-2-07102022	20008012	E1613B	PENTACHLORO DIBENZOFURAN	25.2	pg/g	JK	J	VJ	
SIB-SC-E29-1-2-07102022	20008012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.6	pg/g	BJK	J	VJ	
SIB-SC-E29-1-2-07102022	20008012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.1	pg/g	JK	J	VJ	
SIB-SC-E29-1-2-07102022	20008012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.37	pg/g	JK	J	VJ	
SIB-SC-E29-1-2-07102022	20008012	E1613B	TOTAL HpCDFs	105	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	89.9	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	517	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.32	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.03	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.97	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.68	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.41	pg/g	BJ			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.56	pg/g	K	J	VJ	
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.39	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.69	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.22	pg/g	B	DNR	EXC	
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	pg/g	B			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	Heptachlorodibenzo-P-Dioxin	1180	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	HEXACHLORODIBENZOFURAN	158	pg/g	JK	J	VJ	
SIB-SC-E29-2-3-07102022	20008013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	180	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	OCTACHLORODIBENZOFURAN	269	pg/g				✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8250	pg/g	E	J	ACR	
SIB-SC-E29-2-3-07102022	20008013	E1613B	PENTACHLORO DIBENZOFURAN	71.9	pg/g	JK	J	VJ	
SIB-SC-E29-2-3-07102022	20008013	E1613B	PENTACHLORODIBENZO-P-DIOXIN	29.9	pg/g	JK	J	VJ	
SIB-SC-E29-2-3-07102022	20008013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	36.5	pg/g	J			✓
SIB-SC-E29-2-3-07102022	20008013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11	pg/g	JK	J	VJ	
SIB-SC-E29-2-3-07102022	20008013	E1613B	TOTAL HpCDFs	327	pg/g	J			✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	243	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	902	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	18.1	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	24.2	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.65	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	19.3	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	36.7	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.75	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	20.3	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.67	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.4	pg/g	K	J	VJ	
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	16.4	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	40.4	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	40.4	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.98	pg/g		DNR	EXC	
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.05	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E29-3-4-07102022	20008014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.63	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	Heptachlorodibenzo-P-Dioxin	1900	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	HEXACHLORODIBENZOFURAN	405	pg/g	JK	J	VJ	
SIB-SC-E29-3-4-07102022	20008014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	311	pg/g	J			✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	OCTACHLORODIBENZOFURAN	755	pg/g				✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11400	pg/g	E	J	ACR	
SIB-SC-E29-3-4-07102022	20008014	E1613B	PENTACHLORO DIBENZOFURAN	172	pg/g	JK	J	VJ	
SIB-SC-E29-3-4-07102022	20008014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	58.8	pg/g	JK	J	VJ	
SIB-SC-E29-3-4-07102022	20008014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90.9	pg/g	J			✓
SIB-SC-E29-3-4-07102022	20008014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25.7	pg/g	JK	J	VJ	
SIB-SC-E29-3-4-07102022	20008014	E1613B	TOTAL HpCDFs	917	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	68.4	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	179	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.2	pg/g	BJ			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	BJ			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.66	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.38	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.81	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.984	pg/g	BJ	U	MBL	
SIB-SC-E29-4-5-07102022	20008015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.914	pg/g	BJ	U	MBL	
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.69	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.31	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.21	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.21	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.745	pg/g	BJ	U	MBL	
SIB-SC-E29-4-5-07102022	20008015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.402	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	Heptachlorodibenzo-P-Dioxin	464	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	HEXACHLORODIBENZOFURAN	89.9	pg/g	JK	J	VJ	
SIB-SC-E29-4-5-07102022	20008015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	65	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	OCTACHLORODIBENZOFURAN	190	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3550	pg/g				✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	PENTACHLORO DIBENZOFURAN	42.5	pg/g	JK	J	VJ	
SIB-SC-E29-4-5-07102022	20008015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.5	pg/g	BJK	J	VJ	
SIB-SC-E29-4-5-07102022	20008015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.3	pg/g	JK	J	VJ	
SIB-SC-E29-4-5-07102022	20008015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.61	pg/g	J			✓
SIB-SC-E29-4-5-07102022	20008015	E1613B	TOTAL HpCDFs	235	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	91.1	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	257	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.27	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.87	pg/g	BJ			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.76	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.46	pg/g	J			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.71	pg/g	J			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.46	pg/g	BJ	U	MBL	
SIB-SC-E29-5-6-07102022	20008016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.08	pg/g	BJ	U	MBL	
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.28	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.45	pg/g	J			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.5	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.5	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.735	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.495	pg/g	J			✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	Heptachlorodibenzo-P-Dioxin	724	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	HEXACHLORODIBENZOFURAN	130	pg/g	JK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	101	pg/g	JK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	OCTACHLORODIBENZOFURAN	268	pg/g				✓
SIB-SC-E29-5-6-07102022	20008016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5390	pg/g	E	J	ACR	
SIB-SC-E29-5-6-07102022	20008016	E1613B	PENTACHLORO DIBENZOFURAN	62.6	pg/g	JK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.6	pg/g	BJK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.8	pg/g	JK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.62	pg/g	JK	J	VJ	
SIB-SC-E29-5-6-07102022	20008016	E1613B	TOTAL HpCDFs	324	pg/g	J			✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	188	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	709	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.3	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.4	pg/g	K	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.5	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.7	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.94	pg/g	J			✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.8	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.66	pg/g	J			✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.61	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.89	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.5	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.5	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.18	pg/g	B			✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.45	pg/g		DNR	EXC	
SIB-SC-E28-1-2-07102022	20008017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.49	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	Heptachlorodibenzo-P-Dioxin	1690	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	HEXACHLORODIBENZOFURAN	288	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	244	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	OCTACHLORODIBENZOFURAN	621	pg/g				✓
SIB-SC-E28-1-2-07102022	20008017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12500	pg/g	E	J	ACR	
SIB-SC-E28-1-2-07102022	20008017	E1613B	PENTACHLORO DIBENZOFURAN	132	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.3	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	65.2	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.5	pg/g	JK	J	VJ	
SIB-SC-E28-1-2-07102022	20008017	E1613B	TOTAL HpCDFs	676	pg/g	J			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.5	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	38.7	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.43	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.32	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.73	pg/g	J			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.922	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.506	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.474	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.06	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.862	pg/g	BJ	U	MBL	
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.24	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.37	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.552	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	Heptachlorodibenzo-P-Dioxin	94.4	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	HEXACHLORODIBENZOFURAN	22.2	pg/g	JK	J	VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	13.6	pg/g	J			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	OCTACHLORODIBENZOFURAN	42.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E28-2-3-07102022	20008018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	672	pg/g				✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	PENTACHLORO DIBENZOFURAN	12.8	pg/g	BJK	J	VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.71	pg/g	BJK	J	VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.05	pg/g	BJK	J	VJ	
SIB-SC-E28-2-3-07102022	20008018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.753	pg/g	J			✓
SIB-SC-E28-2-3-07102022	20008018	E1613B	TOTAL HpCDFs	53.3	pg/g	J			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	56.4	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	127	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.11	pg/g	BJ			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.15	pg/g	BJ			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.15	pg/g	J			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.87	pg/g	J			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.07	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.18	pg/g	BJ			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.942	pg/g	BJ	U	MBL	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.918	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.08	pg/g	J			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.62	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.65	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.821	pg/g	BJ	U	MBL	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.291	pg/g	JK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	Heptachlorodibenzo-P-Dioxin	298	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	HEXACHLORODIBENZOFURAN	73.3	pg/g	JK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	45.5	pg/g	JK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	OCTACHLORODIBENZOFURAN	151	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2030	pg/g				✓
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	PENTACHLORO DIBENZOFURAN	40.2	pg/g	JK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.6	pg/g	BJK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	20.9	pg/g	JK	J	VJ	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.2	pg/g	JK	J	VJ,FDPA	
SIB-SC-E28-3-4-07/10/2022	20008019	E1613B	TOTAL HpCDFs	182	pg/g	J			✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	49	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	108	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.86	pg/g	BJK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.39	pg/g	BJ			✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.899	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-07-07/10/2022	20008020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.45	pg/g	J			✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.52	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.949	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.77	pg/g	BJ			✓
FD-07-07/10/2022	20008020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.971	pg/g	BJ	U	MBL	
FD-07-07/10/2022	20008020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.636	pg/g	BJK	UJ	MBL,VJ	
FD-07-07/10/2022	20008020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.9	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.1	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.19	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.42	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.697	pg/g	BJK	UJ	MBL,VJ	
FD-07-07/10/2022	20008020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-07-07/10/2022	20008020	E1613B	Heptachlorodibenzo-P-Dioxin	264	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	HEXACHLORODIBENZOFURAN	65.2	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.8	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	OCTACHLORODIBENZOFURAN	114	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1680	pg/g				✓
FD-07-07/10/2022	20008020	E1613B	PENTACHLORO DIBENZOFURAN	34.9	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	PENTACHLORODIBENZO-P-DIOXIN	8.29	pg/g	BJK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.8	pg/g	JK	J	VJ	
FD-07-07/10/2022	20008020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.55	pg/g	K	J	VJ,FDPA	
FD-07-07/10/2022	20008020	E1613B	TOTAL HpCDFs	149	pg/g	JK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.4	pg/g	BJ	U	MBL	
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.39	pg/g	BJK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0764	pg/g				✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.46	pg/g				✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E28-4-5-07102022	20008021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	Heptachlorodibenzo-P-Dioxin	9.28	pg/g	JK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	HEXACHLORODIBENZOFURAN	2.05	pg/g	BJ			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.54	pg/g	BJK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	OCTACHLORODIBENZOFURAN	4.06	pg/g	BJ	U	MBL	
SIB-SC-E28-4-5-07102022	20008021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	57.6	pg/g				✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	PENTACHLORO DIBENZOFURAN	1.65	pg/g	BJK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-E28-4-5-07102022	20008021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.246	pg/g	JK	J	VJ	
SIB-SC-E28-4-5-07102022	20008021	E1613B	TOTAL HpCDFs	5.79	pg/g	BJ			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.687	pg/g	BJ	U	MBL	
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.47	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.366	pg/g	BJ	U	MBL	
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.218	pg/g	BJ	U	MBL	
SIB-SC-E28-5-6-07102022	20008022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0686	pg/g				✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.414	pg/g				✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	Heptachlorodibenzo-P-Dioxin	3.77	pg/g	BJK	J	VJ	
SIB-SC-E28-5-6-07102022	20008022	E1613B	HEXACHLORODIBENZOFURAN	0.77	pg/g	BJ			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.59	pg/g	BJK	J	VJ	
SIB-SC-E28-5-6-07102022	20008022	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.8	pg/g				✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	PENTACHLORO DIBENZOFURAN	0.934	pg/g	BJ			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.546	pg/g	J			✓
SIB-SC-E28-5-6-07102022	20008022	E1613B	TOTAL HpCDFs	0.687	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	9.97	pg/g	B			✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	64.8	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.813	pg/g	BJ	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.935	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.564	pg/g	JK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.03	pg/g	BJ	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.66	pg/g	J			✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.76	pg/g	BJ			✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.456	pg/g	BJ	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.675	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.895	pg/g	BJ	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.753	pg/g	BJ	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.24	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.27	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	pg/g	B	U	MBL	
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.05	pg/g	B	DNR	EXC	
SIB-SC-C31-1-2-07102022	20008025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.309	pg/g	J			✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	Heptachlorodibenzo-P-Dioxin	138	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	HEXACHLORODIBENZOFURAN	18.2	pg/g	JK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	27.9	pg/g	JK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	OCTACHLORODIBENZOFURAN	33	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	850	pg/g				✓
SIB-SC-C31-1-2-07102022	20008025	E1613B	PENTACHLORO DIBENZOFURAN	10.3	pg/g	BJK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.33	pg/g	BJK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.68	pg/g	JK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.08	pg/g	JK	J	VJ	
SIB-SC-C31-1-2-07102022	20008025	E1613B	TOTAL HpCDFs	35.3	pg/g	J			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.93	pg/g	B			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	46.2	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.462	pg/g	BJ	U	MBL	
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.93	pg/g	BJ	U	MBL	
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.4	pg/g	J			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.751	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.74	pg/g	J			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.225	pg/g	J			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.11	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.355	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C31-2-3-07102022	20008026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.496	pg/g	BJ	U	MBL	
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.564	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.572	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.37	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.37	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.93	pg/g	BJ	U	MBL	
SIB-SC-C31-2-3-07102022	20008026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.207	pg/g	J			✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	Heptachlorodibenzo-P-Dioxin	96.3	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	HEXACHLORODIBENZOFURAN	13.9	pg/g	BJK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	21.7	pg/g	JK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	OCTACHLORODIBENZOFURAN	19.9	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	560	pg/g				✓
SIB-SC-C31-2-3-07102022	20008026	E1613B	PENTACHLORO DIBENZOFURAN	8.27	pg/g	BJK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.21	pg/g	BJK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.47	pg/g	JK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.43	pg/g	JK	J	VJ	
SIB-SC-C31-2-3-07102022	20008026	E1613B	TOTAL HpCDFs	24.5	pg/g	J			✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.7	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	91.2	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.14	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.3	pg/g	BJ	U	MBL	
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.859	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.93	pg/g	BJK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.8	pg/g	J			✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.73	pg/g	BJ			✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.841	pg/g	BJ	U	MBL	
SIB-SC-C31-3-4-07102022	20008027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.64	pg/g	BJ	U	MBL	
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.52	pg/g	BJK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.49	pg/g	BJK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.95	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.1	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.954	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	Heptachlorodibenzo-P-Dioxin	196	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	HEXACHLORODIBENZOFURAN	34.4	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	33	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	OCTACHLORODIBENZOFURAN	52.9	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C31-3-4-07102022	20008027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1230	pg/g				✓
SIB-SC-C31-3-4-07102022	20008027	E1613B	PENTACHLORO DIBENZOFURAN	18.8	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.83	pg/g	BJK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.76	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.39	pg/g	JK	J	VJ	
SIB-SC-C31-3-4-07102022	20008027	E1613B	TOTAL HpCDFs	69.9	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	31.3	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	127	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.6	pg/g	BJ			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.08	pg/g	BJ			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.12	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.01	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.67	pg/g	J			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.796	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.04	pg/g	BJ	U	MBL	
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.21	pg/g	BJ			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.88	pg/g	J			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.12	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.16	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.952	pg/g	BJ	U	MBL	
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	pg/g	B	DNR	EXC	
SIB-SC-C31-4-5-07102022	20008028	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.405	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	Heptachlorodibenzo-P-Dioxin	288	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	HEXACHLORODIBENZOFURAN	52.8	pg/g	J			✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	HEXACHLORODIBENZO-P-DIOXIN	48.2	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	OCTACHLORODIBENZOFURAN	81.2	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2010	pg/g				✓
SIB-SC-C31-4-5-07102022	20008028	E1613B	PENTACHLORO DIBENZOFURAN	26.3	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.14	pg/g	BJK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.2	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.64	pg/g	JK	J	VJ	
SIB-SC-C31-4-5-07102022	20008028	E1613B	TOTAL HpCDFs	108	pg/g	J			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.8	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	130	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.81	pg/g	BJ	U	MBL	
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.29	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.03	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.04	pg/g	J			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.32	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.757	pg/g	J			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.54	pg/g	BJ			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.843	pg/g	BJ	U	MBL	
SIB-SC-C31-5-6-07102022	20008029	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.697	pg/g	BJ	U	MBL	
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.07	pg/g	BJ			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.81	pg/g	BJ			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.65	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.65	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.932	pg/g	BJ	U	MBL	
SIB-SC-C31-5-6-07102022	20008029	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.406	pg/g	J			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	Heptachlorodibenzo-P-Dioxin	291	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	HEXACHLORODIBENZOFURAN	49	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	HEXACHLORODIBENZO-P-DIOXIN	46.2	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	OCTACHLORODIBENZOFURAN	81	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1880	pg/g				✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	PENTACHLORO DIBENZOFURAN	24.9	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.16	pg/g	BJ			✓
SIB-SC-C31-5-6-07102022	20008029	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.6	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.36	pg/g	JK	J	VJ	
SIB-SC-C31-5-6-07102022	20008029	E1613B	TOTAL HpCDFs	99.6	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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EcoChem Project: C28601-1

SDG: 20009

February 13, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20009	SIB-SC-B31-0-1-07102022	20009001	SE	✓
20009	SIB-SC-B31-1-2-07102022	20009002	SE	✓
20009	FD-08-07/10/2022	20009003	SE	✓
20009	SIB-SC-B31-2-3-07/10/2022	20009004	SE	✓
20009	SIB-SC-B31-3-4-07102022	20009007	SE	✓
20009	SIB-SC-B31-4-5-07102022	20009008	SE	✓
20009	SIB-SC-B31-5-6-07102022	20009009	SE	✓
20009	SIB-SC-F27-1-2-07102022	20009010	SE	✓
20009	SIB-SC-F27-2-3-07102022	20009011	SE	✓
20009	SIB-SC-F27-3-4-07102022	20009012	SE	✓
20009	SIB-SC-F27-4-5-07102022	20009013	SE	✓
20009	SIB-SC-F27-5-6-07102022	20009014	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20009	12 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

2	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	System Performance and Resolution Checks	1	Certified Reference Material
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Calibration Verification (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	✓	Compound Quantitation
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffices were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Sample SIB-SC-F27-2-3-07/10/2022 arrived with broken containers and were transferred to new jars. All results for this sample were estimated (J/UJ-DAM).

For Samples SIB-SC-B31-1-2-07102022 and SIB-SC-F27-4-5-07102022, one of the sample containers arrived broken. Since second jar arrived intact, no qualifiers were assigned.

For Sample SIB-SC-F27-1-2-07102022, the lids of the sample containers were cracked upon arrival at the laboratory. Since the sample containers were intact, no qualifiers were assigned.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50757: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-08-07/10/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B31-2-3-07/10/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B31-3-4-07102022	OCDD	U-MBL
SIB-SC-F27-2-3-07102022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-F27-4-5-07102022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDD	U-MBL
SIB-SC-F27-5-6-07102022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDD	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50755, the MS/MSD analyses were performed using Sample SIB-SC-B31-2-3-07/10/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	OK	OK	30.7	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-B31-2-3-07/10/2022 & FD-08-07/10/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Calculation Verification

Calculation verifications were performed for this sample delivery group (SDG). No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exception noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to sample container damage and a MS/MSD precision outlier.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	89.3	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.36	pg/g	JK	J	VJ	
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.59	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.951	pg/g	JK	J	VJ	
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.97	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.692	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.864	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.479	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.18	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.81	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.98	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.511	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	Heptachlorodibenzo-P-Dioxin	172	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	HEXACHLORODIBENZOFURAN	29.7	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.6	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	OCTACHLORODIBENZOFURAN	20	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	921	pg/g				✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	PENTACHLORO DIBENZOFURAN	10.5	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.88	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.79	pg/g	J			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-0-1-07102022	20009001	E1613B	TOTAL HpCDFs	47.2	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.54	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	18.3	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.635	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.616	pg/g	JK	J	VJ	
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.809	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.329	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B31-1-2-07102022	20009002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.51	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.635	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.734	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.17	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	Heptachlorodibenzo-P-Dioxin	45.5	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	HEXACHLORODIBENZOFURAN	11.7	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.46	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	OCTACHLORODIBENZOFURAN	9.32	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	223	pg/g				✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	PENTACHLORO DIBENZOFURAN	6.79	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.939	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.752	pg/g	J			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-1-2-07102022	20009002	E1613B	TOTAL HpCDFs	20.1	pg/g				✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.03	pg/g	BJ	U	MBL	
FD-08-07/10/2022	20009003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.87	pg/g	JK	J	VJ	
FD-08-07/10/2022	20009003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.198	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.181	pg/g	JK	J	VJ	
FD-08-07/10/2022	20009003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.231	pg/g	JK	J	VJ	
FD-08-07/10/2022	20009003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0363	pg/g				✓
FD-08-07/10/2022	20009003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.392	pg/g				✓
FD-08-07/10/2022	20009003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	Heptachlorodibenzo-P-Dioxin	2.74	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	HEXACHLORODIBENZOFURAN	0.66	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.69	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-08-07/10/2022	20009003	E1613B	OCTACHLORODIBENZOFURAN	1.12	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19.6	pg/g				✓
FD-08-07/10/2022	20009003	E1613B	PENTACHLORO DIBENZOFURAN	0.652	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.298	pg/g	J			✓
FD-08-07/10/2022	20009003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-08-07/10/2022	20009003	E1613B	TOTAL HpCDFs	1.03	pg/g	BJ			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.07	pg/g	BJ	U	MBL	
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.14	pg/g	J			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0528	pg/g				✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.441	pg/g				✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	Heptachlorodibenzo-P-Dioxin	8.17	pg/g	J			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	HEXACHLORODIBENZOFURAN	0.497	pg/g	J			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.89	pg/g	J			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	OCTACHLORODIBENZOFURAN	1.6	pg/g	J			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	33.8	pg/g		J	MSP	
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-2-3-07/10/2022	20009004	E1613B	TOTAL HpCDFs	2.49	pg/g	BJ			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.135	pg/g	J			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0143	pg/g				✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.43	pg/g				✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	Heptachlorodibenzo-P-Dioxin		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	HEXACHLORODIBENZOFURAN	0.302	pg/g	J			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2.52	pg/g	BJ	U	MBL	
SIB-SC-B31-3-4-07102022	20009007	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-3-4-07102022	20009007	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.1	pg/g	BJ			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.15	pg/g				✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.312	pg/g	JK	J	VJ	
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.349	pg/g	JK	J	VJ	
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.299	pg/g	JK	J	VJ	
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.239	pg/g	JK	J	VJ	
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.246	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.117	pg/g				✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.443	pg/g				✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	Heptachlorodibenzo-P-Dioxin	18.9	pg/g				✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.17	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	OCTACHLORODIBENZOFURAN	3.79	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	111	pg/g				✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.984	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.381	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.56	pg/g	J			✓
SIB-SC-B31-4-5-07102022	20009008	E1613B	TOTAL HpCDFs	5.54	pg/g	J			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.669	pg/g	J			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.149	pg/g	J			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0239	pg/g				✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.271	pg/g				✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	Heptachlorodibenzo-P-Dioxin	0.669	pg/g	J			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	HEXACHLORODIBENZOFURAN	0.149	pg/g	J			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	OCTACHLORODIBENZOFURAN	1.23	pg/g	JK	J	VJ	✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.87	pg/g	BJ			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B31-5-6-07102022	20009009	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	TETRACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B31-5-6-07102022	20009009	E1613B	TOTAL HpCDFs	0.374	pg/g	BJ			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	46.8	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	332	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.06	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.81	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.95	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.66	pg/g	JK	J	VJ	
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.4	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.91	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.07	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.56	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.75	pg/g	JK	J	VJ	
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.32	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.38	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.23	pg/g		DNR	EXC	
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.375	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	Heptachlorodibenzo-P-Dioxin	780	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	HEXACHLORODIBENZOFURAN	93	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	88.8	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	OCTACHLORODIBENZOFURAN	131	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3770	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	PENTACHLORO DIBENZOFURAN	37.2	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.1	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.4	pg/g				✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.963	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20009010	E1613B	TOTAL HpCDFs	178	pg/g	J			✓
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.931	pg/g	BJ	UJ	DAM,MBL	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.42	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0542	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.469	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	Heptachlorodibenzo-P-Dioxin	7.01	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	HEXACHLORODIBENZOFURAN	1.54	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	OCTACHLORODIBENZOFURAN	2.25	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	33.5	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	PENTACHLORO DIBENZOFURAN	0.542	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20009011	E1613B	TOTAL HpCDFs	3.02	pg/g	BJ	J	DAM	
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.747	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.238	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0095	pg/g				✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.456	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	Heptachlorodibenzo-P-Dioxin	1.75	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	HEXACHLORODIBENZOFURAN	0.223	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6.7	pg/g	BJ			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20009012	E1613B	TOTAL HpCDFs	0.498	pg/g	BJ			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.551	pg/g	BJ	U	MBL	
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.419	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.006	pg/g				✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.325	pg/g				✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	Heptachlorodibenzo-P-Dioxin		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	HEXACHLORODIBENZOFURAN	0.331	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1.55	pg/g	BJ	U	MBL	
SIB-SC-F27-4-5-07102022	20009013	E1613B	PENTACHLORO DIBENZOFURAN	0.184	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F27-4-5-07102022	20009013	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20009013	E1613B	TOTAL HpCDFs	0.551	pg/g	BJ			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.85	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.388	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.232	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20009014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0399	pg/g				✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.46	pg/g				✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	Heptachlorodibenzo-P-Dioxin		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	HEXACHLORODIBENZOFURAN	0.388	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3.67	pg/g	BJ	U	MBL	
SIB-SC-F27-5-6-07102022	20009014	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20009014	E1613B	TOTAL HpCDFs		pg/g	U			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20024

July 18, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	E1668	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, April 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20024	SIB-SC-D22-1-2-07/06/2022	20024001	SE	✓
20024	SIB-SC-D22-2-3-07/06/2022	20024002	SE	✓
20024	SIB-SC-D22-3-4-07/06/2022	20024003	SE	✓
20024	SIB-SC-D22-4-5-07/06/2022	20024004	SE	✓
20024	SIB-SC-D22-5-6-07/06/2022	20024005	SE	✓
20024	SIB-SC-C33-1-2-07/07/2022	20024006	SE	✓
20024	SIB-SC-C33-2-3-07/07/2022	20024007	SE	✓
20024	SIB-SC-C33-3-4-07/07/2022	20024008	SE	✓
20024	SIB-SC-C33-4-5-07/07/2022	20024009	SE	✓
20024	SIB-SC-C33-5-6-07/07/2022	20024010	SE	✓
20024	SIB-SC-C34-0-1-07/07/2022	20024011	SE	✓
20024	SIB-SC-C34-1-2-07/07/2022	20024012	SE	✓
20024	SIB-SC-C34-2-3-07/07/2022	20024013	SE	✓
20024	SIB-SC-C34-3-4-07/07/2022	20024014	SE	✓
20024	FD-02-07/07/2022	20024015	SE	✓
20024	SIB-SC-C34-4-5-07/07/2022	20024016	SE	✓
20024	SIB-SC-C34-5-6-07/07/2022	20024017	SE	✓
20024	SIB-SC-B35-1-2-07/07/2022	20024018	SE	✓
20024	SIB-SC-B35-2-3-07/07/2022	20024019	SE	✓
20024	SIB-SC-B35-3-4-07/07/2022	20024020	SE	✓
20024	SIB-SC-B35-4-5-07/07/2022	20024021	SE	✓
20024	FD-03-07/07/2022	20024022	SE	✓
20024	SIB-SC-B35-5-6-07/07/2022	20024023	SE	✓
20024	SIB-SC-F27-1-2-07/10/2022	20024024	SE	✓
20024	SIB-SC-F27-2-3-07/10/2022	20024025	SE	✓
20024	SIB-SC-F27-3-4-07/10/2022	20024026	SE	✓
20024	SIB-SC-F27-4-5-07/10/2022	20024027	SE	✓
20024	SIB-SC-F27-5-6-07/10/2022	20024028	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20024	28 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	2	Field Duplicates
2	Laboratory Blanks	✓	Target Analyte List
1	Field Blanks	1	Reporting Limits
✓	Labeled Compound Recovery	2	Compound Identification
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	✓	Compound Quantitation
✓	Laboratory Control Samples (LCS/LCSD)	1	Field Replicates
1	Certified Reference Material		

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted.

Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffices were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50461: The following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SC-D22-2-3-07/06/2022	PCB-011	U-MBL
SIB-SC-D22-3-4-07/06/2022	PCB-011	U-MBL

Extraction Batch 50532: Thirty-eight (38) compounds were detected; however, all associated sample results were greater than the 5x action levels or were non-detected; no data were qualified.

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB01-07122022 is associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDG 20047. Several results were detected in EB01-07122022, however; no data were qualified based on field blank contamination.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50461, MS/MSD analyses were performed using Sample SIB-SC-D22-1-2-07/06/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
PCB-105	182	272	OK	J-MSH

For Extraction Batch 50532, the MS/MSD analyses were performed using Sample FD-02-07/07/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
PCB-206	OK	OK	43	J-MSP
PCB-208	OK	OK	40	J-MSP
PCB-209	OK	890	162	J-MSH,MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field duplicates were submitted.

- SIB-SC-C34-3-4-07/07/2022 & FD-02-07/07/2022:

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-68	Difference	J-FDPA
PCB-88	Difference	J-FDPA
PCB-99	RPD	J-FDPR
PCB-133	Difference	J-FDPA
PCB-135	RPD	J-FDPR
PCB-146	RPD	J-FDPR
PCB-148	Difference	J-FDPA
PCB-154	Difference	J-FDPA

- SIB-SC-B35-4-5-07/07/2022 and FD-03-07/07/2022: Field precision was acceptable.

Reporting Limits

The laboratory reporting limits were greater than the QAPP CFA Sensitivity Limits.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An

EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as reported by the LCS/LCSD, matrix spike/matrix spike duplicate, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to sample container damage, MS/MSD accuracy outliers, as well as MS/MSD and field duplicate precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	2-CHLOROBIPHENYL	215	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	4,4'-DICHLOROBIPHENYL	539	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Chlorobiphenyl; 3-	59.8	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Chlorobiphenyl; 4-	152	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	DECACHLOROBIPHENYL	1440	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,2'-	278	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,3'-	194	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,4'-	493	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,4-	40.8	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,5-	48	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 3,3'-	203	pg/g	B			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 3,4-	112	pg/g	CJ			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9150	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3090	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1600	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	9700	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6420	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	433	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1370	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2660	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4800	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	20000	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	86	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	62	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7000	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	10.4	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	13300	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	46.9	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	351	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1750	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	325	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	4980	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2300	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	36000	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	11900	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	378	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1170	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15400	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1880	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6230	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1200	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	768	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	5380	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7240	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1490	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	297	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	34900	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	12.2	pg/g	JK	J	VJ	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	327	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	23.2	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	33600	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1270	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	19.1	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3600	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2620	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	98.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2650	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	62	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2890	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	315	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	990	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	4670	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6',6'-	2500	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1910	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	868	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6020	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	690	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1270	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3900	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	219	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	PCB-167	1220	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	PCB-82	2450	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2470	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5810	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2890	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	14400	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	27800	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	210	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	5180	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	745	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	7260	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	197	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	662	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	21100	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	402	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	13000	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1780	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	63.9	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5860	pg/g		J	MSH	
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	755	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	333	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1940	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	30400	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	62.2	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	312	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	211	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	22300	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	270	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	66.4	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	73	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	39.9	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Polychlorinated Biphenyl (PCB)	560000	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	TETRACHLORO 1,1'-BIPHENYL	16000	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3550	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2240	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	184	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	9340	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,5-	390	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	350	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1580	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10600	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	929	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3190	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	20900	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	97.9	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2950	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	167	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	129	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	124	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	726	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	500	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9440	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	375	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	298	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	142	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	3090	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	491	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	196	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	791	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	307	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,2',3'-	484	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,2',4'-	789	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,2',5'-	1310	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,2',6'-	195	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3,3'-	3150	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3,4'-	598	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3,4'-	1290	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3',4'-	288	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3',5'-	37.4	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3',5'-	424	pg/g	C			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,3',6'-	155	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,4',5'-	1850	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 2,4',6'-	555	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 3,3',4'-	47.9	pg/g	J			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 3,4,4'-	973	pg/g				✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓
SIB-SC-D22-1-2-07/06/2022	20024001	E1668	Trichlorobiphenyl; 3,4',5'-	75.2	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	2-CHLOROBIPHENYL	142	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	4,4'-DICHLOROBIPHENYL	638	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Chlorobiphenyl; 3-	37.8	pg/g	JK	J	VJ	
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Chlorobiphenyl; 4-	116	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	DECACHLOROBIPHENYL	2080	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,2'-	315	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,3'-	262	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,4'-	823	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,4-	47	pg/g	JK	J	VJ	
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,5-	57.1	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 2,6-	17.7	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 3,3'-	102	pg/g	BJ	U	MBL	
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 3,4-	133	pg/g	CJ			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8390	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2910	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1600	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	10100	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6350	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	422	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1410	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2450	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4830	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	19700	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	68.5	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	46.7	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7160	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	13200	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	26.1	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	303	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1560	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	283	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3310	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1920	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	27500	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	9290	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	238	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	928	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	13700	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1450	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5080	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	838	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	578	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4270	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	6310	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1210	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	209	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	31900	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	189	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	13.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	30000	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1110	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2240	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1640	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	114	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2120	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2820	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	280	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	943	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4810	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2600	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1980	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	896	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5960	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	719	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1100	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3750	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	223	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	PCB-167	761	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	PCB-82	1630	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1660	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4870	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2250	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	9740	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	20500	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	195	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4450	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	707	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5730	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	134	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	442	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	21300	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	234	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	10400	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1120	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	28.8	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3660	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	448	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	220	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1530	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	20700	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	49.5	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	208	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	159	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	15100	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	228	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Polychlorinated Biphenyl (PCB)	496000	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	TETRACHLORO 1,1'-BIPHENYL	19600	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3960	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3090	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	604	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10900	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

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SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	382	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	426	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1420	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	9220	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1630	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1460	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15100	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	41.9	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3530	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,3',4-	256	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	110	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,3',5-	104	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,3',6-	847	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	599	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10800	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,4',5-	451	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	288	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3',4,5-	222	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3980	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	515	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 2,3',5',6-	144	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	722	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	168	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,2',3-	893	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,2',4-	1400	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,2',5-	2190	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,2',6-	245	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3,3'-	4670	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3,4'-	1210	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3,4-	2130	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3',4-	352	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3',5'-	62.8	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3',5-	598	pg/g	C			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,3',6-	202	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,4',5-	3350	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 2,4',6-	734	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 3,3',4-	69.6	pg/g	J			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 3,4,4'-	1250	pg/g				✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D22-2-3-07/06/2022	20024002	E1668	Trichlorobiphenyl; 3,4',5-	94.6	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	2-CHLOROBIPHENYL	104	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	4,4'-DICHLOROBIPHENYL	390	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Chlorobiphenyl; 3-	26.9	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Chlorobiphenyl; 4-	73.6	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	DECACHLOROBIPHENYL	793	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,2'-	237	pg/g	JK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,3'-	179	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,4'-	582	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 3,3'-	134	pg/g	BJ	U	MBL	
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 3,4-	102	pg/g	CJK	J	VJ	
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5340	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1900	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1030	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6680	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4110	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	286	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	904	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1590	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3110	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	12900	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	51.2	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	30.3	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4640	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	8770	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	194	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	981	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	188	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1650	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1190	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	16000	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5290	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	136	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	514	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7990	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	842	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3120	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	320	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	328	pg/g	CJ			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2480	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3880	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	705	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	110	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	19800	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	107	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	18500	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	679	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1160	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	871	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	70.9	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1290	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1190	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	150	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	336	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3190	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1730	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1350	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	648	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3900	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	478	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	681	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2440	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	152	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	PCB-167	401	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	PCB-82	883	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1010	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2410	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1470	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5470	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	12700	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	89.2	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2260	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	375	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3660	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	46.5	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	192	pg/g	CJ			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	10700	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	90.1	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6580	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	524	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1800	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	239	pg/g	CJ			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	126	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	841	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	11800	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	108	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	67.5	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	8010	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	144	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Polychlorinated Biphenyl (PCB)	295000	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	TETRACHLORO 1,1'-BIPHENYL	11600	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2470	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1810	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	206	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6320	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,5-	196	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	213	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	625	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5040	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	960	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	469	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7520	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2670	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	78	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,3',5-	45.2	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	500	pg/g	CJ			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	371	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6190	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	253	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	176	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	123	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2270	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	328	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 2,3',5',6-	90.3	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	391	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	97.5	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,2',3-	607	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,2',4-	1060	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,2',5-	1700	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,2',6-	172	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3,3'-	3140	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3,4'-	849	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3,4-	1350	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3',4-	222	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3',5'-	41.9	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3',5-	386	pg/g	C			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,3',6-	120	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,4',5-	2260	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 2,4',6-	443	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 3,3',4-	54.8	pg/g	J			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 3,4,4'-	771	pg/g				✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D22-3-4-07/06/2022	20024003	E1668	Trichlorobiphenyl; 3,4',5-	71.9	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	2-CHLOROBIPHENYL	221	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	4,4'-DICHLOROBIPHENYL	794	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Chlorobiphenyl; 3-	49.5	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Chlorobiphenyl; 4-	150	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	DECACHLOROBIPHENYL	885	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,2'-	319	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,3'-	182	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,4'-	572	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,4-	51	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,5-	50.7	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 3,3'-	217	pg/g	BK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 3,4-	168	pg/g	CJ			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4940	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1820	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	931	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6200	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4200	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	272	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	876	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1730	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2960	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11800	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	50.6	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	23.4	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4490	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	8720	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	179	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	961	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	192	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2670	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1390	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	19000	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6460	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	203	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	567	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7940	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	987	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2970	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	580	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	399	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2690	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3790	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	747	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	112	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	19400	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	66.5	pg/g	JK	J	VJ	
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	18400	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	528	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1820	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1300	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	89.4	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1370	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1410	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	199	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	355	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3100	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1670	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1230	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	633	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3980	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	593	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	833	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2290	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	152	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	PCB-167	592	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	PCB-82	1490	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1470	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3360	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2310	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	8520	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	15900	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	136	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2270	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	455	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4130	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	51.9	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	146	pg/g	CJ			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	12400	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	88.3	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7740	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	416	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3730	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	425	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	190	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1190	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	16300	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

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SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	212	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	125	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	13500	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	153	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	47.1	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Polychlorinated Biphenyl (PCB)	331000	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	TETRACHLORO 1,1'-BIPHENYL	13900	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2370	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1830	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,4-	316	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6480	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,5-	222	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	195	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	575	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4940	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	923	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	439	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8850	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3060	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,3',4-	146	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	90.3	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,3',5-	62	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,3',6-	552	pg/g	CJ			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	558	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7370	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,4',5-	344	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	181	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3',4,5-	140	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2380	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	331	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 2,3',5',6-	89.4	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	571	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	124	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,2',3-	589	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,2',4-	922	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,2',5-	1590	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,2',6-	163	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3,3'-	2960	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3,4'-	796	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3,4-	1140	pg/g	C			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3',4-	200	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3',5'-	40.7	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3',5-	375	pg/g	CJ			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,3',6-	107	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,4',5-	2080	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 2,4',6-	419	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 3,3',4-	73.5	pg/g	J			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 3,4,4'-	1000	pg/g				✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D22-4-5-07/06/2022	20024004	E1668	Trichlorobiphenyl; 3,4',5-	64.3	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	2-CHLOROBIPHENYL	136	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	4,4'-DICHLOROBIPHENYL	827	pg/g	K	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Chlorobiphenyl; 3-	32.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Chlorobiphenyl; 4-	109	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	DECACHLOROBIPHENYL	757	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,2'-	550	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,3'-	345	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,4'-	1320	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,4-	82.6	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,5-	108	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 3,3'-	142	pg/g	BJK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 3,4-	138	pg/g	CJK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	14000	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4900	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2620	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	18000	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	11000	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	763	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2500	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	4530	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	8700	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	36700	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	126	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	12200	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	11.3	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	26700	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	31.7	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	494	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2770	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	497	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3820	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2900	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	40400	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	13500	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	282	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1450	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	23100	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1590	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	7460	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1080	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	800	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6030	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	10400	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	109	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2020	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	337	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	40900	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	10	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	171	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	11.1	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	46300	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1500	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	7.39	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2650	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2530	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2620	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2140	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	295	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	498	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	8610	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4690	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3430	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1530	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	9870	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1170	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1720	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	5880	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	412	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	PCB-167	969	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	PCB-82	1850	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2840	pg/g	K	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4140	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4670	pg/g	CK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11700	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	28900	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	192	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3510	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	591	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	8390	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	71.4	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	274	pg/g	CJK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	21400	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	123	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	13100	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1100	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4380	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	468	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	231	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1710	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	23300	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	232	pg/g	K	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	174	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	17000	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	316	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Polychlorinated Biphenyl (PCB)	654000	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	TETRACHLORO 1,1'-BIPHENYL	17000	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3240	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2700	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,4-	522	pg/g	K	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8780	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,5-	342	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	349	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1030	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7050	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1380	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	760	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	10700	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	11.9	pg/g	JK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3890	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	113	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,3',5-	109	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	577	pg/g	CK	J	VJ	
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	561	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10200	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	425	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	263	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3',4,5-	160	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3260	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	437	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 2,3',5',6-	135	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	712	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	355	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,2',3-	1130	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,2',4-	1800	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,2',5-	2980	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,2',6-	284	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3,3'-	5730	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3,4'-	1620	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3,4-	2560	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3',4-	409	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3',5'-	71.9	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3',5-	714	pg/g	C			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,3',6-	224	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,4',5-	4130	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 2,4',6-	889	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 3,3',4-	82	pg/g	J			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 3,4,4'-	1320	pg/g				✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D22-5-6-07/06/2022	20024005	E1668	Trichlorobiphenyl; 3,4',5-	71.2	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	2-CHLOROBIPHENYL	140	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	4,4'-DICHLOROBIPHENYL	414	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Chlorobiphenyl; 3-	41.7	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Chlorobiphenyl; 4-	113	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	DECACHLOROBIPHENYL	554	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,2'-	178	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,3'-	146	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,4'-	437	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 3,3'-	334	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 3,4-	85.9	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2470	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	832	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	472	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2830	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1790	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	136	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	419	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	794	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1500	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5860	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	21.8	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2080	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4560	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	20.5	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	90.7	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	465	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	82.5	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1150	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	693	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	9330	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3190	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	86.8	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	347	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4180	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	425	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1750	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	325	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	217	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1230	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2330	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	367	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	99.8	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	9140	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	75.3	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	13.6	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	9590	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	453	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	6.82	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	791	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	542	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	610	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	718	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	93.9	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	206	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1570	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	881	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	613	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	290	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1950	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	227	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	378	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1170	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	65.7	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	PCB-167	270	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	PCB-82	657	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1220	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1920	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1250	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4280	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	9120	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	63.8	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1920	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	273	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2350	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	47.6	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	189	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7420	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	83	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4590	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	333	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1480	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	190	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	77.5	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	635	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	9100	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	31.3	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	69.5	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	6210	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	113	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Polychlorinated Biphenyl (PCB)	183000	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	TETRACHLORO 1,1'-BIPHENYL	7920	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1600	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1400	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,4-	332	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4750	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,5-	116	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	179	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	587	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3990	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',4,5-	652	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	530	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5500	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	15.2	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1790	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	57.9	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,3',6-	294	pg/g	CJK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	311	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4630	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,4',5-	166	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	147	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3',4,5-	88.7	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1640	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	225	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 2,3',5',6-	73.5	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	330	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,2',3-	374	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,2',4-	771	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,2',5-	1100	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,2',6-	109	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3,3'-	2560	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3,4'-	645	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3,4-	1010	pg/g	C			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3',4-	198	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3',5'-	37	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3',5-	324	pg/g	CJ			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,3',6-	92.3	pg/g	J			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,4',5-	1770	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 2,4',6-	375	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 3,3',4-	46.3	pg/g	JK	J	VJ	
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 3,4,4'-	629	pg/g				✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C33-1-2-07/07/2022	20024006	E1668	Trichlorobiphenyl; 3,4',5-	42.3	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	2-CHLOROBIPHENYL	116	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	4,4'-DICHLOROBIPHENYL	575	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Chlorobiphenyl; 3-	37	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Chlorobiphenyl; 4-	65.4	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	DECACHLOROBIPHENYL	833	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,2'-	773	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,3'-	320	pg/g	K	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,4'-	1110	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,5-	97.5	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 3,3'-	497	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 3,4-	136	pg/g	CJK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3620	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1260	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	667	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4380	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2560	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	179	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	604	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1150	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2190	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	8860	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	35.1	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	3050	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	6610	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	19.4	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	146	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	721	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	129	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3000	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1370	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	19800	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	7000	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	267	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	488	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7240	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	937	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3160	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	993	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	428	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2770	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3310	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	103	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	720	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	114	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	15800	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	11.7	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	112	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	22.4	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	16200	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	509	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	8.8	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2290	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1630	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1170	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1010	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	139	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	285	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2250	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1300	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	865	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	451	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2940	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	371	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	595	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1800	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	100	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	PCB-167	675	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	PCB-82	2140	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2950	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5080	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3790	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	12700	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	21200	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	189	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3620	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	567	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4780	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	98.5	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	267	pg/g	CJK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	18300	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	163	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8650	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	413	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	10	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5770	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	662	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	247	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1200	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	22100	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	333	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	147	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	16700	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	107	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Polychlorinated Biphenyl (PCB)	360000	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	TETRACHLORO 1,1'-BIPHENYL	14900	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2550	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1730	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,4-	394	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8390	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,5-	259	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	290	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	936	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5680	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1020	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',4,6-	882	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	13200	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	26	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2720	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,3',4-	123	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	66.4	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,3',5-	62.9	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,3',6-	498	pg/g	CJ			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	927	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6280	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,4',5-	260	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	133	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3',4,5-	142	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2830	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	218	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 2,3',5',6-	178	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	446	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	189	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,2',3-	1050	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,2',4-	1520	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,2',5-	2850	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,2',6-	336	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3,3'-	4080	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3,4'-	1350	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3,4-	1980	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3',4-	359	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3',5'-	34.4	pg/g	J			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3',5-	735	pg/g	C			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,3',6-	222	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,4',5-	3330	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 2,4',6-	769	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 3,3',4-	68.8	pg/g	JK	J	VJ	
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 3,4,4'-	1070	pg/g				✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C33-2-3-07/07/2022	20024007	E1668	Trichlorobiphenyl; 3,4',5-	47.4	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	2-CHLOROBIPHENYL	107	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	4,4'-DICHLOROBIPHENYL	493	pg/g	K	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Chlorobiphenyl; 3-	74.1	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Chlorobiphenyl; 4-	112	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	DECACHLOROBIPHENYL	1920	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,2'-	231	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,3'-	180	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,4'-	601	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 3,3'-	400	pg/g	K	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 3,4-	136	pg/g	CJK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4600	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1540	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	888	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5390	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3510	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	218	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	786	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1540	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2850	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11500	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	16.8	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	35.6	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3910	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	8830	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	33.2	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	167	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	896	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	152	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1560	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1090	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	14500	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4880	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	102	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	634	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7730	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	621	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2890	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	596	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	370	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1870	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4320	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	308	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	181	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	15100	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	139	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	12.7	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	16200	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	807	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	11.1	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1090	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	769	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	880	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1800	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	216	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	564	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3130	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1750	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1150	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	573	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3920	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	471	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	769	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2320	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	142	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	PCB-167	399	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	PCB-82	745	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	314	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2270	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1510	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5190	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	12800	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	79.7	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2530	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	318	pg/g	CJ			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3800	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	66.9	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	309	pg/g	CJ			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	10100	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	99.3	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7560	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	631	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	8.71	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1570	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	211	pg/g	CJ			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	60.1	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	808	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	11900	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	33.2	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	67	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	43.9	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	7430	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	168	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Polychlorinated Biphenyl (PCB)	276000	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	TETRACHLORO 1,1'-BIPHENYL	9460	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1860	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1690	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,4-	429	pg/g	K	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5770	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,5-	146	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	252	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',3,6-	834	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4720	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',4,5-	796	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',4,6-	739	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6860	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	26.3	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2210	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,3',4-	98.7	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	70.6	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,3',5-	53.3	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,3',6-	377	pg/g	CJ			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	281	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5530	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,4',5-	202	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	153	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3',4,5-	96.1	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2040	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	279	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 2,3',5',6-	122	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	381	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	86.7	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,2',3-	534	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,2',4-	1100	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,2',5-	1660	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,2',6-	180	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3,3'-	3660	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3,4'-	959	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3,4-	1550	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3',4-	252	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3',5'-	48.7	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3',5-	444	pg/g	C			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,3',6-	135	pg/g	J			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,4',5-	2550	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 2,4',6-	556	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 3,3',4-	53.2	pg/g	JK	J	VJ	
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 3,4,4'-	863	pg/g				✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C33-3-4-07/07/2022	20024008	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	2-CHLOROBIPHENYL	118	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	4,4'-DICHLOROBIPHENYL	609	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Chlorobiphenyl; 3-	65.5	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Chlorobiphenyl; 4-	117	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	DECACHLOROBIPHENYL	2110	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,2'-	287	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,3'-	209	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,4'-	627	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,5-	52.6	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 3,3'-	181	pg/g	BJK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 3,4-	122	pg/g	CJ			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	10200	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3550	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1900	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	12000	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7320	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	527	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1710	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3010	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5770	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24200	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	27.6	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	43.7	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8260	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	11.5	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	17800	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	36.4	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	411	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1960	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	396	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	5030	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2590	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	37500	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	12200	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	328	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1070	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	16900	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1710	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6500	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1220	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	762	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	5060	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	8150	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	707	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	287	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	32900	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	17.5	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	267	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	20.7	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	36400	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1340	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	15.6	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3500	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2460	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2520	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	33.5	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2660	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	318	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	797	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	5700	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	3260	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2250	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1080	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	7060	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	864	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1350	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	4340	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	264	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	PCB-167	1200	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	PCB-82	2500	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2850	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5580	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	5810	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	14600	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	30300	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	230	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	5090	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	800	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	8100	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	160	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	526	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	22700	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	223	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	16300	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1240	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	16.9	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	6190	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	697	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	244	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	2110	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	29000	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	280	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	273	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	24100	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	322	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Polychlorinated Biphenyl (PCB)	607000	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	TETRACHLORO 1,1'-BIPHENYL	19600	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3650	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3000	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,4-	525	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10700	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,5-	396	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	442	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1420	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	9720	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1350	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1810	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15100	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	33.5	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4490	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,3',4-	196	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	171	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,3',5-	118	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,3',6-	852	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	564	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	12800	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,4',5-	476	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	357	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3',4,5-	183	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3760	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	612	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 2,3',5',6-	250	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1050	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	206	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,2',3-	744	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,2',4-	1400	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,2',5-	2240	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,2',6-	248	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3,3'-	5000	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3,4'-	1010	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3,4-	1730	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3',4-	334	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3',5'-	65.3	pg/g	J			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3',5-	561	pg/g	C			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,3',6-	208	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,4',5-	3010	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 2,4',6-	836	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 3,3',4-	60.3	pg/g	JK	J	VJ	
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 3,4,4'-	1240	pg/g				✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C33-4-5-07/07/2022	20024009	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	2-CHLOROBIPHENYL	160	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	4,4'-DICHLOROBIPHENYL	456	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Chlorobiphenyl; 3-	40.4	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Chlorobiphenyl; 4-	101	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	DECACHLOROBIPHENYL	841	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,2'-	300	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,3'-	189	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,4'-	662	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,4-	60.3	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,5-	68.1	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 3,3'-	205	pg/g	BK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 3,4-	109	pg/g	CJK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4140	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1450	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	796	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5100	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3000	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	219	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	731	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1280	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2510	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	10400	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3630	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7420	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	15.9	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	160	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	802	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	159	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1960	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1120	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	15600	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5440	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	152	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	422	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7370	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	761	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2680	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	660	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	298	pg/g	CJ			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2150	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3260	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	398	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	84.2	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	14200	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	62.1	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	12.4	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	15000	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	427	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1250	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	994	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	870	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	992	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	135	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	276	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2670	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1490	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1040	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	497	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3280	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	405	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	583	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2030	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	120	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	PCB-167	421	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	PCB-82	1200	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1290	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2670	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2380	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6910	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13600	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	125	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2050	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	349	pg/g	CJ			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3580	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	53	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	157	pg/g	CJ			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	10500	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	89.9	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	6140	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	367	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2560	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	284	pg/g	CJ			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	84.9	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	808	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	13000	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	121	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	88.9	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	9240	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	111	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Polychlorinated Biphenyl (PCB)	273000	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	TETRACHLORO 1,1'-BIPHENYL	10900	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2050	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1510	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	412	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5660	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	251	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	224	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	663	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4240	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	927	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	518	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7440	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	11.7	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2480	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,3',4-	128	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	66	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,3',5-	55.3	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,3',6-	404	pg/g	CJ			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	507	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5670	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,4',5-	262	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	114	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3',4,5-	125	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2200	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	228	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 2,3',5',6-	102	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	396	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,2',3-	607	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,2',4-	1010	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,2',5-	1740	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,2',6-	160	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3,3'-	3380	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3,4'-	952	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3,4-	1340	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3',4-	215	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3',5'-	44.3	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3',5-	418	pg/g	C			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,3',6-	124	pg/g	J			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,4',5-	2450	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 2,4',6-	513	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 3,3',4-	38.8	pg/g	JK	J	VJ	
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 3,4,4'-	776	pg/g				✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C33-5-6-07/07/2022	20024010	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	2-CHLOROBIPHENYL	1320	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	4,4'-DICHLOROBIPHENYL	1290	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Chlorobiphenyl; 3-	354	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Chlorobiphenyl; 4-	1800	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	DECACHLOROBIPHENYL	2660	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,2'-	389	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,3'-	710	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,4'-	1540	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,4-	111	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,5-	98.8	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 3,3'-	373	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 3,4-	567	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3370	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1120	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	624	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3700	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2360	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	160	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	539	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	995	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1840	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	8060	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	26	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2750	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5760	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17.7	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	137	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	660	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	111	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1370	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	796	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	11200	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3760	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	97	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	343	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5120	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	480	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2010	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	372	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	244	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1550	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2590	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	396	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	97.7	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10600	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	80.9	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11100	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	466	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	963	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	701	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	740	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	20.2	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	942	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	143	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	315	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2100	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1200	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	820	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	390	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2550	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	317	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	465	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1550	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	105	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07072022	20024011	E1668	PCB-167	338	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	PCB-82	643	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1010	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1770	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1790	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4130	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	9230	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	62.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1800	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	277	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2530	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	56.2	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	194	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7660	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	72.4	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4640	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	388	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	7.71	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1490	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	181	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	51.8	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	582	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	8730	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	27.3	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	67.3	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	61.8	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	6280	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	109	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Polychlorinated Biphenyl (PCB)	213000	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	TETRACHLORO 1,1'-BIPHENYL	6530	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1450	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1230	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,4-	200	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4190	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,5-	138	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	154	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',3,6-	578	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3480	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',4,5-	492	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',4,6-	471	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5310	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	25.1	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1500	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,3',4-	50.4	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	42	pg/g	JK	J	VJ	
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,3',5-	38.9	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,3',6-	234	pg/g	CJ			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	255	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3970	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,4',5-	154	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	111	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3',4,5-	81.8	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1500	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	182	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 2,3',5',6-	43.8	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	314	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	69.6	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,2',3-	395	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,2',4-	819	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,2',5-	1230	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,2',6-	156	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3,3'-	4410	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3,4'-	1100	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3,4-	1270	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3',4-	928	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3',5'-	36.2	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3',5-	1150	pg/g	C			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,3',6-	120	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,4',5-	3150	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 2,4',6-	444	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 3,3',4-	63.6	pg/g	J			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 3,4,4'-	1180	pg/g				✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-0-1-07072022	20024011	E1668	Trichlorobiphenyl; 3,4',5-	44	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	2-CHLOROBIPHENYL	110	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	4,4'-DICHLOROBIPHENYL	503	pg/g	K	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Chlorobiphenyl; 3-	36.5	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Chlorobiphenyl; 4-	74.9	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	DECACHLOROBIPHENYL	562	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,2'-	183	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,3'-	158	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,4'-	481	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 3,3'-	357	pg/g	K	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 3,4-	121	pg/g	CJK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2810	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	993	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	556	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3520	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2250	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	146	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	527	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1000	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1940	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6850	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	18	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	21.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2410	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5640	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	19	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	110	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	531	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	97.4	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1470	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	944	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	11800	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4070	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	114	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	476	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5590	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	550	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2320	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	421	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	309	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1560	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3270	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	428	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	141	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	12000	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	153	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	12.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12500	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	683	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	7.51	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	996	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	688	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	792	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	22.7	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	921	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	130	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	242	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1940	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1060	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	738	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	344	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2310	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	285	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	448	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1410	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	101	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	PCB-167	356	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-1-2-07072022	20024012	E1668	PCB-82	849	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	896	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2380	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1440	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5440	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	11400	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	84.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2350	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	338	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2970	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	63.9	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	258	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9010	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	96.5	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6200	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	410	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	6.21	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1940	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	243	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	90.2	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	757	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	11400	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	31.1	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	97.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	67.2	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	7570	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	146	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	15.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-1-2-07072022	20024012	E1668	Polychlorinated Biphenyl (PCB)	227000	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	TETRACHLORO 1,1'-BIPHENYL	9540	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1640	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1570	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,4-	691	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5600	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,5-	137	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	207	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',3,6-	686	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4670	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',4,5-	774	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',4,6-	613	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6710	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	17.8	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2150	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,3',4-	69.8	pg/g	JK	J	VJ	
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	59	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,3',5-	40.4	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,3',6-	387	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	405	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5390	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,4',5-	215	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	189	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3',4,5-	115	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1930	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	264	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 2,3',5',6-	131	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	386	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	90.5	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,2',3-	378	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,2',4-	894	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,2',5-	1330	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,2',6-	122	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3,3'-	3070	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3,4'-	791	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3,4-	1180	pg/g	C			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3',4-	232	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3',5'-	39.5	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3',5-	388	pg/g	CJ			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3,6-	69.3	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,3',6-	115	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,4',5-	2120	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 2,4',6-	431	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 3,3',4-	64.2	pg/g	J			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 3,4,4'-	794	pg/g				✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-1-2-07072022	20024012	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	2-CHLOROBIPHENYL	85.5	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	4,4'-DICHLOROBIPHENYL	276	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Chlorobiphenyl; 3-	24.7	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Chlorobiphenyl; 4-	67.9	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	DECACHLOROBIPHENYL	497	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,2'-	214	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,3'-	111	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,4'-	363	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 3,3'-	303	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 3,4-	79.7	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2300	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	798	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	437	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2700	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1720	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	115	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	365	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	660	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1240	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5260	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	20.1	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	16.3	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	1900	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3500	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	8.17	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	88.1	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	444	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	73.4	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1060	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	616	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	7940	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2670	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	69.7	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	261	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3130	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	398	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1320	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	225	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	173	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1130	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1780	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	260	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	56.1	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	9250	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	64.5	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	7.86	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	8440	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	303	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	636	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	492	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	27.5	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	696	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	662	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	83.2	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	195	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1460	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	788	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	612	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	283	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1740	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	211	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	337	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1090	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	69	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	PCB-167	226	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	PCB-82	522	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	735	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1430	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	992	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3250	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	6810	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	52.6	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1400	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	228	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1800	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	35.8	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	128	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5600	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	54	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3660	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	261	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1150	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	145	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	62.3	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	484	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	7100	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	17.2	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	65.6	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	44.9	pg/g	JK	J	VJ	
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4890	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	88	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Polychlorinated Biphenyl (PCB)	150000	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	TETRACHLORO 1,1'-BIPHENYL	6430	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1330	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1080	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,4-	128	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3710	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,5-	96.7	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	119	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	400	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3150	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',4,5-	501	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	356	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4370	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	14.9	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1440	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	52	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,3',5-	31.2	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,3',6-	259	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	248	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3640	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,4',5-	139	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	107	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3',4,5-	75.3	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1280	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	181	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 2,3',5',6-	46.9	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	252	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	82.3	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,2',3-	291	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,2',4-	572	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,2',5-	755	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,2',6-	107	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3,3'-	1870	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3,4'-	464	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3,4-	738	pg/g	C			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3',4-	156	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3',5'-	28.6	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3',5-	240	pg/g	CJ			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,3',6-	83.8	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,4',5-	1330	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 2,4',6-	270	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 3,3',4-	38.9	pg/g	J			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 3,4,4'-	505	pg/g				✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-2-3-07072022	20024013	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	2-CHLOROBIPHENYL	130	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	4,4'-DICHLOROBIPHENYL	362	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Chlorobiphenyl; 3-	43.6	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Chlorobiphenyl; 4-	95.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	DECACHLOROBIPHENYL	704	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,2'-	255	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,3'-	136	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,4'-	413	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,4-	30	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,5-	35.5	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 3,3'-	380	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 3,4-	92.9	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2980	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1050	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	588	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3610	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2280	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	150	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	490	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	908	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1700	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6880	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	12.2	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	18.8	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2420	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4720	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	18.2	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	111	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	557	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	105	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1360	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	762	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	10700	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3600	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	106	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	374	pg/g		J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4430	pg/g	C	J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	578	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1800	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	344	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	243	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1660	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2420	pg/g		J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	398	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	80.7	pg/g	J	J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	12400	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	93.9	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	9.58	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11100	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	450	pg/g		J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	868	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	671	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	51.4	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	903	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-	14.1	pg/g	JK	J	VJ	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	811	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	107	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	243	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1730	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	930	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	722	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	358	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2200	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	271	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	429	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1400	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	82.7	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	PCB-167	312	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	PCB-82	661	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	480	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1880	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	773	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4190	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	8850	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	62.9	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1740	pg/g	C	J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	340	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2430	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	62	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	169	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7230	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	68.6	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	5010	pg/g		J	FDPR	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	351	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1510	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	198	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	93.6	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	609	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	9410	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	20.3	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	87.4	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	84.5	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	6270	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	112	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-	19.1	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Polychlorinated Biphenyl (PCB)	195000	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	TETRACHLORO 1,1'-BIPHENYL	7910	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1710	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1320	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	98.4	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4640	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	186	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	148	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	512	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3800	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	600	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	484	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5530	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	28.3	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1750	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	62.1	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	37.7	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,3',6-	334	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	321	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4450	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,4',5-	184	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	128	pg/g	J	J	FDPA	
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3',4,5-	104	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1550	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	220	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 2,3',5',6-	66.2	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	317	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	122	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,2',3-	342	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,2',4-	720	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,2',5-	946	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,2',6-	140	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3,3'-	2230	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3,4'-	550	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3,4-	879	pg/g	C			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3',4-	193	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3',5'-	31.9	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3',5-	301	pg/g	CJ			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,3',6-	118	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,4',5-	1540	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 2,4',6-	320	pg/g				✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 3,3',4-	49.3	pg/g	J			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 3,4,4'-	626	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

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SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-3-4-07/07/2022	20024014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	2-CHLOROBIPHENYL	78.7	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	4,4'-DICHLOROBIPHENYL	327	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Chlorobiphenyl; 3-	43	pg/g	JK	J	VJ	
FD-02-07/07/2022	20024015	E1668	Chlorobiphenyl; 4-	60.2	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	DECACHLOROBIPHENYL	665	pg/g		J	MSH,MSP	
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,2'-	183	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,3'-	135	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,4'-	431	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,4-	26.3	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 3,3'-	570	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 3,4-	100	pg/g	CJ			✓
FD-02-07/07/2022	20024015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2880	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1040	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	556	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3640	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2610	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	158	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	556	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6'-	1210	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2200	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7250	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	44	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	23.1	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	2580	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5890	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	21.6	pg/g	JK	J	VJ	
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	103	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	579	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	104	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1210	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	821	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	12000	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4220	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	108	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1220	pg/g		J	FDPA	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	8650	pg/g	C	J	FDPR	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	753	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2720	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	294	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	495	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1620	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	6660	pg/g		J	FDPR	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	418	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	604	pg/g		J	FDPA	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	14800	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	306	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	14.8	pg/g	JK	J	VJ	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	14600	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1830	pg/g		J	FDPA	
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	10.3	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	844	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	637	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	30.9	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	813	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	105	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	829	pg/g		J	MSP	
FD-02-07/07/2022	20024015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	120	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	244	pg/g		J	MSP	
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1750	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	995	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	668	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	371	pg/g	CJ			✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2350	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	295	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	417	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1390	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	87	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	PCB-167	296	pg/g				✓
FD-02-07/07/2022	20024015	E1668	PCB-82	698	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	637	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2090	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1080	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5010	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13700	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	70.4	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2800	pg/g	C	J	FDPA	
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	380	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4010	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	71.4	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	732	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9120	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	94.6	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8510	pg/g		J	FDPR	
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	662	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	8.26	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1490	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	208	pg/g	CJ			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	86.1	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	921	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	10300	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	122	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	72.1	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	68.2	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	6580	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	356	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	106	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	27.8	pg/g	JK	J	VJ	
FD-02-07/07/2022	20024015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Polychlorinated Biphenyl (PCB)	243000	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	TETRACHLORO 1,1'-BIPHENYL	8540	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1740	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1210	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,4-	95.5	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5470	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,5-	187	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	172	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',3,6-	608	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5440	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',4,5-	631	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',4,6-	595	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7090	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	22.8	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1840	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	72.4	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,3',6-	385	pg/g	CJ			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	348	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5090	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,4',5-	176	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	705	pg/g		J	FDPA	
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3',4,5-	114	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1570	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	551	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	327	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	35.5	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,2',3-	356	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,2',4-	807	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,2',5-	1130	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,2',6-	119	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3,3'-	2690	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3,4'-	640	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3,4-	1100	pg/g	C			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3',4-	281	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3',5'-	34.5	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3',5-	440	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,3',6-	138	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,4',5-	1840	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 2,4',6-	366	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 3,3',4-	106	pg/g	J			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 3,3',5-	20.7	pg/g	JK	J	VJ	
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 3,4,4'-	624	pg/g				✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-02-07/07/2022	20024015	E1668	Trichlorobiphenyl; 3,4',5-	70.1	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	2-CHLOROBIPHENYL	83	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	4,4'-DICHLOROBIPHENYL	379	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Chlorobiphenyl; 3-	36.3	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Chlorobiphenyl; 4-	78.7	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	DECACHLOROBIPHENYL	1960	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,2'-	190	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,3'-	177	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,4'-	706	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,4-	38.2	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,5-	38.1	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 2,6-	15.1	pg/g	JK	J	VJ	
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 3,3'-	198	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 3,4-	106	pg/g	CJ			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5100	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1990	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	945	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6640	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4620	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	306	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1060	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2080	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3830	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	13300	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	74.9	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	40.9	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5080	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	10700	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	40.4	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	195	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1010	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	187	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2030	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1450	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	19700	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6540	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	183	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	804	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	10500	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1040	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4190	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	453	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	457	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2810	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5670	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	840	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	242	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	20400	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	241	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	24.1	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	21200	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1120	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	12.7	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1330	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1000	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1400	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	44.4	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1760	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	236	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	570	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2620	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1850	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1100	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	635	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4230	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	587	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	771	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2570	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	153	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	PCB-167	466	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	PCB-82	1030	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	908	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3320	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1390	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7160	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	16600	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	106	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3380	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	516	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4760	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	121	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	399	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	11400	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	153	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8890	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	941	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	20.6	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1810	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	284	pg/g	CJ			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	117	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1070	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	14500	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	44.5	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	97.9	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	67.6	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9250	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	193	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	36	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	26.4	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Polychlorinated Biphenyl (PCB)	351000	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	TETRACHLORO 1,1'-BIPHENYL	13600	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2750	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1990	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,4-	84.3	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	7410	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,5-	274	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	266	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	898	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	6680	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1040	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1050	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	11700	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	42.5	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2970	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	125	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	580	pg/g	CJ			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	387	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7840	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	317	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	242	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	140	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2640	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	399	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	438	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	356	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,2',3-	605	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,2',4-	1210	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,2',5-	1950	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,2',6-	180	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3,3'-	3830	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3,4'-	1010	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3,4-	1790	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3',4-	243	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3',5'-	45	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3',5-	448	pg/g	C			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,3',6-	185	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,4',5-	2590	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 2,4',6-	468	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 3,3',4-	58.5	pg/g	J			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 3,4,4'-	787	pg/g				✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-4-5-07072022	20024016	E1668	Trichlorobiphenyl; 3,4',5-	88.3	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	2-CHLOROBIPHENYL	136	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	4,4'-DICHLOROBIPHENYL	889	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Chlorobiphenyl; 3-	74.2	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Chlorobiphenyl; 4-	167	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	DECACHLOROBIPHENYL	2370	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,2'-	407	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,3'-	370	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,4'-	1340	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,4-	74.5	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,5-	63.1	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 2,6-	35.1	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 3,3'-	190	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 3,4-	210	pg/g	CJ			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	13900	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5380	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2540	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	18200	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	13100	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	776	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2800	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	5580	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	10200	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	35600	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	238	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	102	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	13200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	24.1	pg/g	JK	J	VJ	
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	28300	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	98.1	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	552	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2740	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	561	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	5340	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3870	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	54500	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	18500	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	518	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	2590	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	29200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3100	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	11600	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1300	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1320	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	8070	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	15900	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2280	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	726	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	54600	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	650	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	53.6	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	57100	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	3010	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	27.8	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3740	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3060	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3800	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	146	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	3950	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	537	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	1170	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	7020	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4790	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3060	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1720	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	11200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1530	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	2100	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	6710	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	415	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	PCB-167	1330	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	PCB-82	2700	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2390	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	8040	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3910	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	18400	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	40600	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	279	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	7730	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1270	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	11900	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	416	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	963	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	37700	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	555	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	20900	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2740	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	79.2	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5200	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	747	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	281	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2540	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	37200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	115	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	256	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	224	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	23800	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	501	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	106	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	62.2	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Polychlorinated Biphenyl (PCB)	900000	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	TETRACHLORO 1,1'-BIPHENYL	25600	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	5920	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3990	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,4-	307	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	17200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,5-	692	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	799	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3350	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	17000	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',4,5-	2110	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',4,6-	5310	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	32100	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	161	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	5190	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	221	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1340	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	801	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	16500	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,4',5-	618	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	437	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3',4,5-	295	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5350	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	764	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	950	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	497	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,2',3-	1210	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,2',4-	2290	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,2',5-	3840	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,2',6-	361	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3,3'-	7540	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3,4'-	1590	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3,4-	3200	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3',4-	584	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3',5'-	92.6	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3',5-	997	pg/g	C			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,3',6-	453	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,4',5-	4740	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 2,4',6-	1300	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 3,3',4-	90.4	pg/g	J			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 3,4,4'-	1660	pg/g				✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C34-5-6-07072022	20024017	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 3,3'-	57.6	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5.9	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6.88	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11.8	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7.57	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	21.7	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5.98	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	13.4	pg/g	CJK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	15.8	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6.77	pg/g	CJK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	PCB-167		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	PCB-82		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	11	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	17.3	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	12.9	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	7.33	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	7.96	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	18	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	14.2	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Polychlorinated Biphenyl (PCB)	343	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	TETRACHLORO 1,1'-BIPHENYL	20.6	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15.7	pg/g	CJK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7.91	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	14	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	6.48	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	11.1	pg/g	J			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,2',5-	5.38	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3,3'-	9.3	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3,4-	4.56	pg/g	CJ			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,4',5-	6.14	pg/g	JK	J	VJ	
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B35-1-2-07072022	20024018	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	2-CHLOROBIPHENYL	2.42	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Chlorobiphenyl; 4-	4.01	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 3,3'-	80.9	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6.61	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3.74	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5.62	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	12	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6.99	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11.3	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6.93	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 2,3,3',5',5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	PCB-167		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	PCB-82		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	12.7	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13.3	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	12.4	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6.61	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5.38	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	14.2	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9.45	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Polychlorinated Biphenyl (PCB)	320	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	TETRACHLORO 1,1'-BIPHENYL	18.1	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	17.2	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',3,6-	5.26	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7.11	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	13.5	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6.46	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,2',5-	5.71	pg/g	CJK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3,3'-	8.49	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3,4'-	3.98	pg/g	JK	J	VJ	
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3,4-	4.93	pg/g	CJ			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,4',5-	4.99	pg/g	J			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓
SIB-SC-B35-2-3-07072022	20024019	E1668	Trichlorobiphenyl; 3,4',5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Chlorobiphenyl; 3-	7.25	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 3,3'-	84.2	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6.85	pg/g	CJK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	5.18	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	11.5	pg/g	CJK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6.42	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3.38	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10.1	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12.9	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7.84	pg/g	CJK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	PCB-167		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	PCB-82		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	13.1	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	15.1	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14.4	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7.84	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4.96	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	13.9	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11.8	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Polychlorinated Biphenyl (PCB)	358	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	TETRACHLORO 1,1'-BIPHENYL	16.8	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15.3	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3.97	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8.55	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	17	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4.71	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7.84	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,2',4-	5.58	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,2',5-	7.22	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3,3'-	10.3	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3,4'-	3.81	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3,4-	5.3	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3',5-	4.28	pg/g	CJ			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,4',5-	7.16	pg/g	J			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 2,4',6-	3.56	pg/g	JK	J	VJ	
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B35-3-4-07072022	20024020	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Chlorobiphenyl; 3-	4.26	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 3,3'-	81.6	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5.27	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4.01	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	12.1	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5.04	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6.61	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2.94	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	10.6	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11.6	pg/g	CJK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3.84	pg/g	BCJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.87	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3.75	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	PCB-167		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	PCB-82		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4.26	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11.2	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	14.4	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	12	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6.02	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4.43	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	13.7	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9.44	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Polychlorinated Biphenyl (PCB)	334	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	TETRACHLORO 1,1'-BIPHENYL	14.6	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	13.3	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',3,6-	4.73	pg/g	CJK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7.53	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	18.6	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3.73	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7.11	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,2',4-	3.22	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,2',5-	5.21	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3,3'-	9.19	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3,4'-	3.5	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3,4-	5.38	pg/g	CJ			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,4',5-	4.71	pg/g	J			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 2,4',6-	2.32	pg/g	JK	J	VJ	
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B35-4-5-07/07/2022	20024021	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 3,3'-	54.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7.25	pg/g	CJK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	11	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	8.5	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	10.7	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	5.24	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	PCB-167		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	PCB-82		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4,5-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	12	pg/g	J			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',4,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4.69	pg/g	JK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	10.6	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	10.6	pg/g	JK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Polychlorinated Biphenyl (PCB)	218	pg/g	J			✓
FD-03-07/07/2022	20024022	E1668	TETRACHLORO 1,1'-BIPHENYL	13.7	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	12.4	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',4,5'-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	14.5	pg/g	J			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5.91	pg/g	JK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,2',5-	5.48	pg/g	CJK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3,3'-	7.98	pg/g	CJ			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3,4-	3.9	pg/g	CJK	J	VJ	
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,4',5-	5.77	pg/g	J			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-03-07/07/2022	20024022	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	DECACHLOROBIPHENYL		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 3,3'-	78.9	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5.16	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3.68	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	9.45	pg/g	CJK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4.11	pg/g	CJK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7.94	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	8.75	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5.37	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	PCB-167		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	PCB-82		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7.76	pg/g	CJK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	12	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9.92	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4.61	pg/g	J			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5.05	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	9.6	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	10.9	pg/g	J			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Polychlorinated Biphenyl (PCB)	255	pg/g	J			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	TETRACHLORO 1,1'-BIPHENYL	12.6	pg/g	CJK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5.89	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	12.7	pg/g	J			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4.73	pg/g	JK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,2',5-	5.51	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3,3'-	7.09	pg/g	CJ			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3,4-	4.2	pg/g	CJK	J	VJ	
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,4',5-	4.38	pg/g	J			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-B35-5-6-07072022	20024023	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	2-CHLOROBIPHENYL	158	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	4,4'-DICHLOROBIPHENYL	499	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Chlorobiphenyl; 3-	65.5	pg/g	JK	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	Chlorobiphenyl; 4-	140	pg/g	JK	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	DECACHLOROBIPHENYL	1010	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,2'-	223	pg/g	JK	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,3'-	435	pg/g	K	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,4'-	820	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 3,3'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8460	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3100	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1620	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	10400	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6010	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	489	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1570	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2410	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4980	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	19500	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	77.3	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7370	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	13200	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	340	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1720	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	341	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	4890	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2660	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	38900	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	14300	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	500	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	952	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15600	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2370	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	7040	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1470	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	755	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6630	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7140	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1820	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	208	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	35600	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	176	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	36300	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1060	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3720	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2950	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	103	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2680	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1610	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	215	pg/g	K	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	481	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4190	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2460	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1780	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	933	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5170	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	689	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	959	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3260	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	225	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	PCB-167	1240	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	PCB-82	2780	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3010	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	10100	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4420	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	20800	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	42900	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	300	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6730	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1720	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	11500	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	489	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	694	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	40900	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	375	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	19000	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	1120	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	7230	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	980	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	358	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	2480	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	41300	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	403	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	359	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	28900	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	334	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Polychlorinated Biphenyl (PCB)	811000	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	TETRACHLORO 1,1'-BIPHENYL	23000	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	12500	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	5040	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,4-	322	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	32100	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,5-	709	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	3840	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',3,6-	10300	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	27900	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1260	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',4,6-	13700	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	40500	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	721	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3420	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	268	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	259	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	1680	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	559	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	14600	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	1080	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	897	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	428	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	4080	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1260	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	639	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	563	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,2',3'-	761	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,2',4'-	4460	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,2',5'-	3380	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,2',6'-	690	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3,3'-	19500	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3,4'-	1120	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3,4'-	2650	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3',4'-	5070	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3',5'-	171	pg/g	J			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3',5'-	5430	pg/g	C			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,3',6-	268	pg/g	K	J	VJ	
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,4',5-	6700	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 2,4',6-	13000	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 3,4,4'-	918	pg/g				✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F27-1-2-07102022	20024024	E1668	Trichlorobiphenyl; 3,4',5-	135	pg/g	J			✓
SIB-SC-F27-2-3-07102022	20024025	E1668	2,3-DICHLOROBIPHENYL		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	2-CHLOROBIPHENYL	5.53	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	4,4'-DICHLOROBIPHENYL	22.1	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Chlorobiphenyl; 3-	5.24	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Chlorobiphenyl; 4-	5.64	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	DECACHLOROBIPHENYL	48	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,4'-	21.7	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,4-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 2,6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 3,3'-	50.4	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Dichlorobiphenyl; 3,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	482	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	181	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	101	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	601	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	355	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	29	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	88.6	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	133	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	290	pg/g		J	DAM	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1160	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	427	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	767	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	21.1	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	102	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	20.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	272	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	155	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2200	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	795	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	30.3	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	53.8	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	861	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	127	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	361	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	92.6	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	45.9	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	372	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	423	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	107	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	10.8	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2020	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	8.93	pg/g	JK	J	DAM,VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2120	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	61.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	216	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	167	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	8.83	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	149	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	99.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	14.1	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	25	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	259	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	154	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	106	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	54.9	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	310	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	44.8	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	54.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	193	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	15.8	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	PCB-167	71.8	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	PCB-82	147	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	105	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	390	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	213	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	919	pg/g	C	J	DAM	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	1750	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	15.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	264	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	49.5	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	438	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	20.9	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1640	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	11	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	810	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	44.4	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	370	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	48.7	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	17.6	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	115	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1850	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	21.5	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	22.5	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1370	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	16.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	6.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Polychlorinated Biphenyl (PCB)	33200	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	TETRACHLORO 1,1'-BIPHENYL	1080	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	152	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	120	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,4-	12.7	pg/g	J	J	DAM	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	587	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,5-	19.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	15	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',3,6-	43.2	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	477	pg/g	C	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',4,5-	57.3	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',4,6-	31.5	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1060	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	185	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,3',6-	40.3	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	29.4	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	605	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,4',5-	22	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	22.1	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3',4,5-	11.3	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3,4',6-	179	pg/g		J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	40.1	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	42.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	29.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,2',4-	44	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,2',5-	70.6	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,2',6-	7.21	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3,3'-	195	pg/g	CJ	J	DAM	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3,4'-	37.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3,4-	63.4	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3',4-	18.7	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3',5-	23.5	pg/g	CJ	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3,6-	17.8	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,3',6-	6.91	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,4',5-	107	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 2,4',6-	28.6	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 3,3',4-	4.84	pg/g	JK	J	DAM,VJ	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 3,4,4'-	43.2	pg/g	J	J	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U	UJ	DAM	
SIB-SC-F27-2-3-07102022	20024025	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U	UJ	DAM	
SIB-SC-F27-3-4-07102022	20024026	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 3,3'-	52.8	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8.7	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4.21	pg/g	CJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7.71	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7.18	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5.34	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	21.5	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7.4	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	14.2	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	4.13	pg/g	CJK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	37.3	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	12.3	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	14.9	pg/g	CJK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6.63	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4.68	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	12	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	33	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	40.3	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	3	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6.58	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	7.13	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4.68	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5.42	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	4.95	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-3-4-07102022	20024026	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	PCB-167	3.63	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	PCB-82		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	14.9	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	31.5	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	7.51	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	8.73	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	26.7	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	12.8	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	7.05	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	28.5	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	23	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Polychlorinated Biphenyl (PCB)	602	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	TETRACHLORO 1,1'-BIPHENYL	20	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4.13	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15.8	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10.3	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	19.3	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3.8	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10.3	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3.74	pg/g	J			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,2',5-	4.29	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3,3'-	8.2	pg/g	CJ			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3,4'-	2.78	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3,4-	3.83	pg/g	CJK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,4',5-	4.6	pg/g	JK	J	VJ	
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F27-3-4-07102022	20024026	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Chlorobiphenyl; 4-	2.2	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 3,3'-	45.5	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3.14	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1.7	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6.46	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2.8	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	2.31	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	11.2	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4.26	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1.52	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	7.48	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	9.7	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	5.4	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.66	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	2.91	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	PCB-167	2.7	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	PCB-82		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	7.98	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	8.62	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	7.52	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	4.22	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3.49	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	8.79	pg/g	CJ			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	7.94	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Polychlorinated Biphenyl (PCB)	228	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	TETRACHLORO 1,1'-BIPHENYL	10.6	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10.9	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2.45	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5.17	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	9.91	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5.71	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,2',4-	1.95	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,2',5-	3.24	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3,3'-	5.38	pg/g	CJ			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3,4'-	2.22	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3,4-	3.39	pg/g	CJK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,4',5-	4.01	pg/g	J			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 2,4',6-	1.5	pg/g	JK	J	VJ	
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F27-4-5-07102022	20024027	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 2,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 3,3'-	51.4	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 3,4'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Dichlorobiphenyl; 3,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8.74	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5.08	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	12.5	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5.59	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2.56	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10.7	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12.7	pg/g	CJK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5.85	pg/g	CJK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.82	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	PCB-167	3.05	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	PCB-82		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	10	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	15.5	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	11.4	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	5.43	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	12.4	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11.6	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Polychlorinated Biphenyl (PCB)	294	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	TETRACHLORO 1,1'-BIPHENYL	14.6	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15.6	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3.38	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8.76	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	16.2	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7.2	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3.66	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,2',4-	3.52	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,2',5-	4.66	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3,3'-	8.34	pg/g	CJ			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3,4'-	2.7	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3,4-	3.8	pg/g	CJK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3',5-	2.89	pg/g	CJK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,4',5-	6.5	pg/g	J			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 2,4',6-	4.29	pg/g	JK	J	VJ	
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F27-5-6-07102022	20024028	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

HydroGeoLogic, Inc
11107 Sunset Hills Rd. Suite 400
Reston, VA 20190

Prepared by:

EcoChem, Inc.
500 Union Street, Suite 1010
Seattle, WA 98101

EcoChem Project: C28601-1

SDG: 20067

March 30, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20067	SIB-SC-G06-1-2-07142022	20067001	SE	✓
20067	SIB-SC-G06-2-3-07142022	20067002	SE	✓
20067	SIB-SC-G06-3-4-07142022	20067003	SE	✓
20067	SIB-SC-G06-4-5-07142022	20067004	SE	✓
20067	SIB-SC-G06-5-6-07142022	20067005	SE	✓
20067	SIB-SC-G07-1-2-07/14/2022	20067006	SE	✓
20067	FD-13-07/14/2022	20067007	SE	✓
20067	SIB-SC-G07-2-3-07142022	20067008	SE	✓
20067	SIB-SC-G07-3-4-07142022	20067011	SE	✓
20067	SIB-SC-G07-4-5-07142022	20067012	SE	✓
20067	SIB-SC-G07-5-6-07142022	20067013	SE	✓
20067	SIB-SC-F08-1-2-07142022	20067014	SE	✓
20067	SIB-SC-F08-2-3-07142022	20067015	SE	✓
20067	SIB-SC-F08-3-4-07142022	20067016	SE	✓
20067	SIB-SC-F08-4-5-07142022	20067017	SE	✓
20067	SIB-SC-F08-5-6-07142022	20067018	SE	✓
20067	SIB-SC-G08-1-2-07142022	20067019	SE	✓
20067	SIB-SC-G08-2-3-07142022	20067020	SE	✓
20067	SIB-SC-G08-3-4-07142022	20067021	SE	✓
20067	SIB-SC-G08-4-5-07142022	20067022	SE	✓
20067	SIB-SC-G08-5-6-07142022	20067023	SE	✓
20067	SIB-SC-F09-1-2-07142022	20067024	SE	✓
20067	SIB-SC-F09-2-3-07142022	20067025	SE	✓
20067	SIB-SC-F09-3-4-07142022	20067026	SE	✓
20067	SIB-SC-F09-4-5-07142022	20067027	SE	✓
20067	SIB-SC-F09-5-6-07142022	20067028	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20067	26 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
1	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch, 50549: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-G06-1-2-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G06-3-4-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G06-4-5-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G06-5-6-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G07-1-2-07/14/2022	1,2,3,7,8-PeCDF	U-MBL

Extraction Batch, 50564: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-13-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-F08-2-3-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F08-3-4-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F08-4-5-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F08-5-6-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-F09-1-2-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F09-2-3-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F09-3-4-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL

CLIENT ID	ANALYTE	QUALIFIER
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-F09-4-5-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-F09-5-6-07/14/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
SIB-SC-G07-2-3-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G07-3-4-07/14/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDD	U-MBL
SIB-SC-G07-4-5-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G07-5-6-07/14/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-G08-1-2-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G08-2-3-07/14/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-G08-3-4-07/14/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	OCDD	U-MBL
SIB-SC-G08-4-5-07/14/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	OCDD	U-MBL
SIB-SC-G08-5-6-07/14/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	OCDD	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50564, MS/MSD analyses were performed using Sample SIB-SC-G07-2-3-07/14/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	-246	-119	69.4	J-MSLX,MSP
1,2,3,4,6,7,8-HpCDF	-1	32	27.7	J-MSLX,MSL,MSP
OCDF	-73	-7	44.8	J-MSLX,MSP
OCDD	Parent conc. > 4x spike		129	J-MSP

For Extraction Batch 50549, results for Batch MS/MSD analyses were not submitted in this SDG. No action was taken since the parent sample was from another SDG. Accuracy and precision were evaluated using the LCS/LCSD.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency of one per batch of 20 or fewer samples. Precision is evaluated using the RPD values calculated between the LCS and LCSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers are issued to all samples in the analysis batch.

For Extraction Batch 50549, the %R value for 1,2,3,6,7,8-HxCDF was less than the lower control limit (84-130%) for the LCSD but was in control in the associated LCS sample. All associated samples had positive results and were qualified (J-LCSL).

ANALYTE	LCS %R	LCSD %R	RPD	QUALIFIER
1,2,3,6,7,8-HxCDF	92.4	82.9	6.59	J/UJ-LCSL

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-G07-1-2-07/14/2022 & FD-13-07/14/2022, was submitted. The following outliers required qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HPCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HPCDD	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDD	Difference	J-FDPA
Total TCDF	Difference	J-FDPA
Total HpCDF	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances, MS/MSD accuracy outliers, and MS/MSD and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	67.8	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.513	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.12	pg/g	JK	J	LCSL,VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.88	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.916	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.539	pg/g	BJ	U	MBL	
SIB-SC-G06-1-2-07142022	20067001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.519	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.1	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.02	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.91	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.08	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.766	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	Heptachlorodibenzo-P-Dioxin	140	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	HEXACHLORODIBENZOFURAN	26.6	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	22.1	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	OCTACHLORODIBENZOFURAN	60.9	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	816	pg/g				✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	PENTACHLORO DIBENZOFURAN	13.5	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	4.66	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.58	pg/g	JK	J	VJ	
SIB-SC-G06-1-2-07142022	20067001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.71	pg/g	J			✓
SIB-SC-G06-1-2-07142022	20067001	E1613B	TOTAL HpCDFs	75.1	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	34.4	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	124	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.41	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.58	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.18	pg/g	J	J	LCSL	
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.7	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.759	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.51	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.35	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G06-2-3-07142022	20067002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.959	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.01	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.97	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.97	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.28	pg/g		DNR	EXC	
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.36	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.479	pg/g	J			✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	Heptachlorodibenzo-P-Dioxin	263	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	HEXACHLORODIBENZOFURAN	48.8	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	42.7	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	OCTACHLORODIBENZOFURAN	92.4	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1450	pg/g				✓
SIB-SC-G06-2-3-07142022	20067002	E1613B	PENTACHLORO DIBENZOFURAN	28.8	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	8.84	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.9	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.92	pg/g	JK	J	VJ	
SIB-SC-G06-2-3-07142022	20067002	E1613B	TOTAL HpCDFs	122	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	31.1	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.936	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.1	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.427	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.917	pg/g	J	J	LCSL	
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.61	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.964	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.384	pg/g	BJ	U	MBL	
SIB-SC-G06-3-4-07142022	20067003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.394	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.757	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.538	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.02	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.03	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.441	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.265	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	Heptachlorodibenzo-P-Dioxin	72.3	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	HEXACHLORODIBENZOFURAN	17.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G06-3-4-07142022	20067003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16	pg/g	J			✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	OCTACHLORODIBENZOFURAN	28.5	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	401	pg/g				✓
SIB-SC-G06-3-4-07142022	20067003	E1613B	PENTACHLORO DIBENZOFURAN	10.7	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.21	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.35	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.987	pg/g	JK	J	VJ	
SIB-SC-G06-3-4-07142022	20067003	E1613B	TOTAL HpCDFs	38.6	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.2	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	43.6	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.28	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.31	pg/g	J	J	LCSL	
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.74	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.862	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.479	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G06-4-5-07142022	20067004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.32	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.15	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.49	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.539	pg/g	JK	J	VJ	
SIB-SC-G06-4-5-07142022	20067004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	Heptachlorodibenzo-P-Dioxin	112	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	HEXACHLORODIBENZOFURAN	31.8	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	17.5	pg/g	J			✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	OCTACHLORODIBENZOFURAN	39.4	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	733	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	PENTACHLORO DIBENZOFURAN	21.9	pg/g	JK	J	VJ	
SIB-SC-G06-4-5-07142022	20067004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.26	pg/g	JK	J	VJ	
SIB-SC-G06-4-5-07142022	20067004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.47	pg/g	JK	J	VJ	
SIB-SC-G06-4-5-07142022	20067004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.13	pg/g				✓
SIB-SC-G06-4-5-07142022	20067004	E1613B	TOTAL HpCDFs	71.5	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.2	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	94.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.75	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.967	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.13	pg/g		J	LCSL	
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.14	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.752	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.26	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.864	pg/g	BJ	U	MBL	
SIB-SC-G06-5-6-07142022	20067005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.752	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.02	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.93	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.76	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.88	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.686	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	Heptachlorodibenzo-P-Dioxin	242	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	HEXACHLORODIBENZOFURAN	75.7	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	OCTACHLORODIBENZOFURAN	116	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1580	pg/g				✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	PENTACHLORO DIBENZOFURAN	51.2	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.81	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.8	pg/g	JK	J	VJ	
SIB-SC-G06-5-6-07142022	20067005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.93	pg/g	J			✓
SIB-SC-G06-5-6-07142022	20067005	E1613B	TOTAL HpCDFs	180	pg/g	JK	J	VJ	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.7	pg/g		J	FDPA	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	199	pg/g		J	FDPR	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.29	pg/g	J			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.771	pg/g	JK	J	LCSL,VJ	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.11	pg/g	J			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	JK	J	VJ	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.535	pg/g	BJ	U	MBL	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.786	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.87	pg/g				✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.65	pg/g				✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.685	pg/g	JK	J	VJ	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	Heptachlorodibenzo-P-Dioxin	520	pg/g		J	FDPR	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	HEXACHLORODIBENZOFURAN	23.6	pg/g	JK	J	VJ	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	54.9	pg/g	JK	J	VJ,FDPA	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	OCTACHLORODIBENZOFURAN	93.4	pg/g				✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1540	pg/g		J	FDPR	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	PENTACHLORO DIBENZOFURAN	6.54	pg/g	J			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	1.39	pg/g	BJ			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.24	pg/g	JK	J	VJ,FDPA	
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-1-2-07/14/2022	20067006	E1613B	TOTAL HpCDFs	136	pg/g	J	J	FDPR	
FD-13-07/14/2022	20067007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.2	pg/g		J	FDPA	
FD-13-07/14/2022	20067007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	61.7	pg/g		J	FDPR	
FD-13-07/14/2022	20067007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.916	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.34	pg/g	BJ	U	MBL	
FD-13-07/14/2022	20067007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.479	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.827	pg/g	BJ	U	MBL	
FD-13-07/14/2022	20067007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-13-07/14/2022	20067007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.798	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.431	pg/g	BJ	U	MBL	
FD-13-07/14/2022	20067007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.475	pg/g	JK	J	VJ	
FD-13-07/14/2022	20067007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.68	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.79	pg/g	BJ	U	MBL	
FD-13-07/14/2022	20067007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.47	pg/g				✓
FD-13-07/14/2022	20067007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.56	pg/g				✓
FD-13-07/14/2022	20067007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.05	pg/g		DNR	EXC	
FD-13-07/14/2022	20067007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	pg/g				✓
FD-13-07/14/2022	20067007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-13-07/14/2022	20067007	E1613B	Heptachlorodibenzo-P-Dioxin	131	pg/g		J	FDPR	
FD-13-07/14/2022	20067007	E1613B	HEXACHLORODIBENZOFURAN	22.2	pg/g	J			✓
FD-13-07/14/2022	20067007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.3	pg/g	JK	J	VJ,FDPA	
FD-13-07/14/2022	20067007	E1613B	OCTACHLORODIBENZOFURAN	63.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
FD-13-07/14/2022	20067007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	681	pg/g		J	FDPR	
FD-13-07/14/2022	20067007	E1613B	PENTACHLORO DIBENZOFURAN	9.09	pg/g	BJK	J	VJ	
FD-13-07/14/2022	20067007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.26	pg/g	JK	J	VJ	
FD-13-07/14/2022	20067007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.39	pg/g	J	J	FDPA	
FD-13-07/14/2022	20067007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.1	pg/g	BJK	J	VJ	
FD-13-07/14/2022	20067007	E1613B	TOTAL HpCDFs	69	pg/g	J	J	FDPR	
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	103	pg/g		J	MSLX,MSL,MSP	
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	360	pg/g		J	MSLX,MSP	
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.93	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.88	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.44	pg/g	J			✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.35	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.4	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.74	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.46	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.62	pg/g	BJ	U	MBL	
SIB-SC-G07-2-3-07142022	20067008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.99	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.15	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.7	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.7	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.39	pg/g	K	DNR	EXC	
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.5	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.668	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	Heptachlorodibenzo-P-Dioxin	736	pg/g				✓
SIB-SC-G07-2-3-07142022	20067008	E1613B	HEXACHLORODIBENZOFURAN	136	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	131	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	OCTACHLORODIBENZOFURAN	369	pg/g		J	MSLX,MSP	
SIB-SC-G07-2-3-07142022	20067008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4100	pg/g	E	J	ACR,MSP	
SIB-SC-G07-2-3-07142022	20067008	E1613B	PENTACHLORO DIBENZOFURAN	52.3	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.8	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	30.1	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.89	pg/g	JK	J	VJ	
SIB-SC-G07-2-3-07142022	20067008	E1613B	TOTAL HpCDFs	397	pg/g	JK	J	VJ	
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.697	pg/g	BJ	U	MBL	
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.22	pg/g	BJ			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0555	pg/g				✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.23	pg/g				✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.2	pg/g	JK	J	VJ	
SIB-SC-G07-3-4-07142022	20067011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	Heptachlorodibenzo-P-Dioxin	4.53	pg/g	J			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	HEXACHLORODIBENZOFURAN	0.68	pg/g	BJ			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.349	pg/g	BJK	J	VJ	
SIB-SC-G07-3-4-07142022	20067011	E1613B	OCTACHLORODIBENZOFURAN	2.02	pg/g	BJ	U	MBL	
SIB-SC-G07-3-4-07142022	20067011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19	pg/g				✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	PENTACHLORO DIBENZOFURAN	0.437	pg/g	BJK	J	VJ	
SIB-SC-G07-3-4-07142022	20067011	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.368	pg/g	BJK	J	VJ	
SIB-SC-G07-3-4-07142022	20067011	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-3-4-07142022	20067011	E1613B	TOTAL HpCDFs	2.22	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.84	pg/g	BJ			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14.3	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.357	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.224	pg/g	BJ	U	MBL	
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.535	pg/g	J			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.317	pg/g	JK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.17	pg/g	BJ	U	MBL	
SIB-SC-G07-4-5-07142022	20067012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.199	pg/g	JK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.426	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.617	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.272	pg/g	JK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	Heptachlorodibenzo-P-Dioxin	30.3	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	HEXACHLORODIBENZOFURAN	4.62	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.98	pg/g	JK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	OCTACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	147	pg/g				✓
SIB-SC-G07-4-5-07142022	20067012	E1613B	PENTACHLORO DIBENZOFURAN	1.57	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.722	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.541	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.858	pg/g	BJK	J	VJ	
SIB-SC-G07-4-5-07142022	20067012	E1613B	TOTAL HpCDFs	15.1	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.38	pg/g	BJ			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	19.2	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.362	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.614	pg/g	BJ	U	MBL	
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.325	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.612	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.414	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.252	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.286	pg/g	JK	J	VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.213	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.635	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.821	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.362	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	Heptachlorodibenzo-P-Dioxin	42.4	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	HEXACHLORODIBENZOFURAN	5.81	pg/g	BJK	J	VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.99	pg/g	J			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	OCTACHLORODIBENZOFURAN	13.3	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	196	pg/g				✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	PENTACHLORO DIBENZOFURAN	2.69	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G07-5-6-07142022	20067013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.849	pg/g	BJK	J	VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.34	pg/g	BJK	J	VJ	
SIB-SC-G07-5-6-07142022	20067013	E1613B	TETRACHLORODIBENSO-P-DIOXIN	0.487	pg/g	BJ			✓
SIB-SC-G07-5-6-07142022	20067013	E1613B	TOTAL HpCDFs	14.9	pg/g	J			✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	279	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	977	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	19.2	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.31	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.9	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	37.1	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.79	pg/g	J			✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.8	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.06	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.11	pg/g	K	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.3	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.49	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	38.3	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	38.3	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.59	pg/g		DNR	EXC	
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.63	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	Heptachlorodibenzo-P-Dioxin	2040	pg/g	E	J	ACR	
SIB-SC-F08-1-2-07142022	20067014	E1613B	HEXACHLORODIBENZOFURAN	346	pg/g	JK	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	319	pg/g	JK	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	OCTACHLORODIBENZOFURAN	887	pg/g				✓
SIB-SC-F08-1-2-07142022	20067014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11500	pg/g	E	J	ACR	
SIB-SC-F08-1-2-07142022	20067014	E1613B	PENTACHLORO DIBENZOFURAN	149	pg/g	JK	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	55.7	pg/g	JK	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	88	pg/g	K	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	22.6	pg/g	JK	J	VJ	
SIB-SC-F08-1-2-07142022	20067014	E1613B	TOTAL HpCDFs	983	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	35.3	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	87.9	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.49	pg/g	J			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.25	pg/g	BJ	U	MBL	
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.949	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.11	pg/g	BJ			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.21	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.03	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.6	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.682	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.86	pg/g	J			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.34	pg/g	BJ			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.42	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.45	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.769	pg/g	J			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.359	pg/g	J			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	Heptachlorodibenzo-P-Dioxin	212	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	HEXACHLORODIBENZOFURAN	45.8	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.3	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	OCTACHLORODIBENZOFURAN	86.5	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1240	pg/g				✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	PENTACHLORO DIBENZOFURAN	21.9	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	7.89	pg/g	JK	J	VJ	
SIB-SC-F08-2-3-07142022	20067015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.35	pg/g	J			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.2	pg/g	BJ			✓
SIB-SC-F08-2-3-07142022	20067015	E1613B	TOTAL HpCDFs	116	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	72.8	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	64.7	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.35	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.88	pg/g	BJ	U	MBL	
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.27	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.85	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.957	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.729	pg/g	BJ	U	MBL	
SIB-SC-F08-3-4-07142022	20067016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.584	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.04	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.34	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.63	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.84	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.536	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	Heptachlorodibenzo-P-Dioxin	188	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	HEXACHLORODIBENZOFURAN	77.4	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	29.7	pg/g	JK	J	VJ	
SIB-SC-F08-3-4-07142022	20067016	E1613B	OCTACHLORODIBENZOFURAN	76.6	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1180	pg/g				✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	PENTACHLORO DIBENZOFURAN	43.6	pg/g	J			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.45	pg/g	JK	J	VJ	
SIB-SC-F08-3-4-07142022	20067016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.1	pg/g	JK	J	VJ	
SIB-SC-F08-3-4-07142022	20067016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.79	pg/g	BJ			✓
SIB-SC-F08-3-4-07142022	20067016	E1613B	TOTAL HpCDFs	172	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	103	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	178	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.46	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.28	pg/g	BJK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.27	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.2	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.45	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.84	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	BJ	U	MBL	
SIB-SC-F08-4-5-07142022	20067017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.12	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.44	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.95	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.52	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.52	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	pg/g	K	DNR	EXC	
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.04	pg/g	K	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.35	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	Heptachlorodibenzo-P-Dioxin	512	pg/g	J			✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	HEXACHLORODIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	68.2	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	OCTACHLORODIBENZOFURAN	199	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3160	pg/g				✓
SIB-SC-F08-4-5-07142022	20067017	E1613B	PENTACHLORO DIBENZOFURAN	65.3	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.5	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F08-4-5-07142022	20067017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.1	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.04	pg/g	JK	J	VJ	
SIB-SC-F08-4-5-07142022	20067017	E1613B	TOTAL HpCDFs	273	pg/g	JK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.37	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14.3	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.443	pg/g	BJ	U	MBL	
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.698	pg/g	BJ	U	MBL	
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.515	pg/g	J			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.383	pg/g	JK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.266	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.17	pg/g	JK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.419	pg/g	J			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.396	pg/g	BJ	U	MBL	
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.874	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.956	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.333	pg/g	J			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	Heptachlorodibenzo-P-Dioxin	36.4	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	HEXACHLORODIBENZOFURAN	9.28	pg/g	BJ			✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.42	pg/g	JK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	OCTACHLORODIBENZOFURAN	13	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	227	pg/g				✓
SIB-SC-F08-5-6-07142022	20067018	E1613B	PENTACHLORO DIBENZOFURAN	5.77	pg/g	BJK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.13	pg/g	BJK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.06	pg/g	BJK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.978	pg/g	BJK	J	VJ	
SIB-SC-F08-5-6-07142022	20067018	E1613B	TOTAL HpCDFs	21	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	89.9	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	367	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.87	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.52	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.59	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.3	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.4	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.21	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.14	pg/g	BJ	U	MBL	
SIB-SC-G08-1-2-07142022	20067019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.13	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.8	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.8	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.8	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.14	pg/g		DNR	EXC	
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.64	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.418	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	Heptachlorodibenzo-P-Dioxin	759	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	HEXACHLORODIBENZOFURAN	116	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	101	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	OCTACHLORODIBENZOFURAN	358	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3310	pg/g				✓
SIB-SC-G08-1-2-07142022	20067019	E1613B	PENTACHLORO DIBENZOFURAN	38.7	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	PENTACHLORODIBENZO-P-DIOXIN	15.1	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.8	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.66	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20067019	E1613B	TOTAL HpCDFs	365	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	32.3	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	119	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.54	pg/g	BJ			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.936	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.82	pg/g	BJ			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.11	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.72	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.572	pg/g	BJ	U	MBL	
SIB-SC-G08-2-3-07142022	20067020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.77	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.56	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.23	pg/g	BJ			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.69	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.73	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.31	pg/g		DNR	EXC	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.196	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	Heptachlorodibenzo-P-Dioxin	280	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	HEXACHLORODIBENZOFURAN	43.2	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.7	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	OCTACHLORODIBENZOFURAN	109	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1310	pg/g				✓
SIB-SC-G08-2-3-07142022	20067020	E1613B	PENTACHLORO DIBENZOFURAN	17.8	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.72	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.44	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20067020	E1613B	TOTAL HpCDFs	122	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.12	pg/g	BJ	U	MBL	
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.4	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.112	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.112	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.102	pg/g				✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.273	pg/g				✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.202	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	Heptachlorodibenzo-P-Dioxin	5.38	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	HEXACHLORODIBENZOFURAN	1.28	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.952	pg/g	BJK	J	VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	OCTACHLORODIBENZOFURAN	2.21	pg/g	BJ	U	MBL	
SIB-SC-G08-3-4-07142022	20067021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	29.5	pg/g				✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	PENTACHLORO DIBENZOFURAN	1.23	pg/g	BJK	J	VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.181	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20067021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.202	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20067021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.143	pg/g	BJK	J	VJ	
SIB-SC-G08-3-4-07142022	20067021	E1613B	TOTAL HpCDFs	3.14	pg/g	BJ			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.59	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.17	pg/g	BJ	U	MBL	
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.243	pg/g	BJ	U	MBL	
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.138	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.207	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.128	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.13	pg/g				✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.314	pg/g				✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.23	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	Heptachlorodibenzo-P-Dioxin	2.46	pg/g	BJ			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	HEXACHLORODIBENZOFURAN	0.728	pg/g	BJK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.598	pg/g	BJK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	OCTACHLORODIBENZOFURAN	0.479	pg/g	BJ	U	MBL	
SIB-SC-G08-4-5-07142022	20067022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5.81	pg/g	BJ			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	PENTACHLORO DIBENZOFURAN	0.91	pg/g	BJK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.23	pg/g	BJK	J	VJ	
SIB-SC-G08-4-5-07142022	20067022	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20067022	E1613B	TOTAL HpCDFs	0.853	pg/g	BJK	J	VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.11	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.37	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.261	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.219	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.208	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.236	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.167	pg/g				✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.33	pg/g				✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	Heptachlorodibenzo-P-Dioxin	2.86	pg/g	BJ			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	HEXACHLORODIBENZOFURAN	2.44	pg/g	BJK	J	VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.26	pg/g	BJK	J	VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	OCTACHLORODIBENZOFURAN	0.524	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20067023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.6	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	PENTACHLORO DIBENZOFURAN	3.07	pg/g	BJK	J	VJ	
SIB-SC-G08-5-6-07142022	20067023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.402	pg/g	BJ			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.716	pg/g	BJ			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.179	pg/g	BJ			✓
SIB-SC-G08-5-6-07142022	20067023	E1613B	TOTAL HpCDFs	1.76	pg/g	BJK	J	VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	143	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	180	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.82	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.76	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.52	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.2	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.43	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.54	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.49	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.27	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.92	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.5	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.5	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	pg/g		DNR	EXC	
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.13	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.481	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F09-1-2-07142022	20067024	E1613B	Heptachlorodibenzo-P-Dioxin	507	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	HEXACHLORODIBENZOFURAN	155	pg/g	JK	J	VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	86.4	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	OCTACHLORODIBENZOFURAN	223	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3290	pg/g				✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	PENTACHLORO DIBENZOFURAN	91.4	pg/g	JK	J	VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.9	pg/g	JK	J	VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	39.2	pg/g	JK	J	VJ	
SIB-SC-F09-1-2-07142022	20067024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.58	pg/g	J			✓
SIB-SC-F09-1-2-07142022	20067024	E1613B	TOTAL HpCDFs	373	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	59.3	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	96.5	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.45	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.43	pg/g	BJ			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.71	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.2	pg/g	J			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.47	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.87	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.884	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.62	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.49	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.53	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.603	pg/g	J			✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.254	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	Heptachlorodibenzo-P-Dioxin	264	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	HEXACHLORODIBENZOFURAN	67.9	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44.1	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	OCTACHLORODIBENZOFURAN	126	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1720	pg/g				✓
SIB-SC-F09-2-3-07142022	20067025	E1613B	PENTACHLORO DIBENZOFURAN	35.6	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.39	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.8	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.62	pg/g	JK	J	VJ	
SIB-SC-F09-2-3-07142022	20067025	E1613B	TOTAL HpCDFs	173	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	25.3	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.582	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.738	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.799	pg/g	BJ	U	MBL	
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.952	pg/g	J			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.463	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.683	pg/g	J			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.514	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.07	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.28	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.34	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	Heptachlorodibenzo-P-Dioxin	66.8	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	HEXACHLORODIBENZOFURAN	15.6	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	12.3	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	OCTACHLORODIBENZOFURAN	31.1	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	420	pg/g				✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	PENTACHLORO DIBENZOFURAN	8.13	pg/g	BJK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	PENTACHLORODIBENZO-P-DIOXIN	2.23	pg/g	BJ			✓
SIB-SC-F09-3-4-07142022	20067026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.38	pg/g	JK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.04	pg/g	BJK	J	VJ	
SIB-SC-F09-3-4-07142022	20067026	E1613B	TOTAL HpCDFs	36.9	pg/g	JK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.69	pg/g	BJ			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.91	pg/g				✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.452	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.34	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.305	pg/g	JK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.284	pg/g	JK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.27	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F09-4-5-07142022	20067027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.212	pg/g	JK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.249	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.395	pg/g				✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.622	pg/g				✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	Heptachlorodibenzo-P-Dioxin	21.5	pg/g				✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	HEXACHLORODIBENZOFURAN	4.59	pg/g	BJK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.52	pg/g	JK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	OCTACHLORODIBENZOFURAN	7.07	pg/g	J			✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	116	pg/g				✓
SIB-SC-F09-4-5-07142022	20067027	E1613B	PENTACHLORO DIBENZOFURAN	2.79	pg/g	BJK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.715	pg/g	BJK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.716	pg/g	BJK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.618	pg/g	BJK	J	VJ	
SIB-SC-F09-4-5-07142022	20067027	E1613B	TOTAL HpCDFs	9.92	pg/g	J			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.313	pg/g	BJ	U	MBL	
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.512	pg/g	BJ	U	MBL	
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.161	pg/g	BJ	U	MBL	
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0261	pg/g				✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.221	pg/g				✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	Heptachlorodibenzo-P-Dioxin	1.28	pg/g	BJ			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	HEXACHLORODIBENZOFURAN	0.323	pg/g	BJ			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.191	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-F09-5-6-07142022	20067028	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5.78	pg/g	BJ			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	PENTACHLORO DIBENZOFURAN	0.313	pg/g	BJK	J	VJ	
SIB-SC-F09-5-6-07142022	20067028	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F09-5-6-07142022	20067028	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.13	pg/g	BJK	J	VJ	
SIB-SC-F09-5-6-07142022	20067028	E1613B	TOTAL HpCDFs	0.671	pg/g	BJ			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20068

February 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20068	SIB-SC-D19-1-2-07192022	20068001	SE	✓
20068	SIB-SC-D19-2-3-07192022	20068002	SE	✓
20068	SIB-SC-D19-3-4-07192022	20068003	SE	✓
20068	SIB-SC-D19-4-5-07192022	20068004	SE	✓
20068	SIB-SC-D19-5-6-07192022	20068005	SE	✓
20068	SIB-SC-D17-1-2-07192022	20068006	SE	✓
20068	SIB-SC-D17-2-3-07/19/2022	20068007	SE	✓
20068	FD-14-07/19/2022	20068008	SE	✓
20068	SIB-SC-D17-3-4-07192022	20068009	SE	✓
20068	SIB-SC-D17-4-5-07192022	20068012	SE	✓
20068	SIB-SC-D17-5-6-07192022	20068013	SE	✓
20068	SIB-SC-D18-0-1-07192022	20068014	SE	✓
20068	SIB-SC-D18-1-2-07192022	20068015	SE	✓
20068	SIB-SC-D18-2-3-07192022	20068016	SE	✓
20068	SIB-SC-D18-3-4-07192022	20068017	SE	✓
20068	SIB-SC-D18-4-5-07192022	20068018	SE	✓
20068	SIB-SC-D18-5-6-07192022	20068019	SE	✓
20068	SIB-SC-C18-1-2-07192022	20068020	SE	✓
20068	SIB-SC-C18-2-3-07192022	20068021	SE	✓
20068	SIB-SC-C18-3-4-07192022	20068022	SE	✓
20068	SIB-SC-C18-4-5-07192022	20068023	SE	✓
20068	SIB-SC-C18-5-6-07192022	20068024	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20068	22 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50593: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-C18-1-2-07/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D17-3-4-07/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D17-4-5-07/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
SIB-SC-D17-5-6-07/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
SIB-SC-D18-4-5-07/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D18-5-6-07/19/2022	1,2,3,4,7,8-HxCDF	U-MBL
SIB-SC-D19-4-5-07/19/2022	1,2,3,7,8-PeCDF	U-MBL

Extraction Batch 50599: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-C18-2-3-07/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C18-3-4-07/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C18-4-5-07/19/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
SIB-SC-C18-5-6-07/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

For Extraction Batch 50601, the MS/MSD analyses were performed using Sample SIB-SC-D17-3-4-07/19/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	131	OK	44	J-MSH,MSP
OCDD	281	-12	110	J-MSH,MSLX,MSP
OCDF	OK	OK	27	J-MSP

For Extraction Batch 50599, results for MS/MSD analyses were not submitted for this batch. Precision and accuracy were evaluated using the LCS/LCSD.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-D17-2-3-07/19/2022 & FD-14-07/19/2022, was submitted. The difference value for Total TCDF was greater than the control limit; associated parent and field duplicate results were estimated (J-FDPA).

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by

the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and MS/MSD accuracy and precision outliers as well as a field duplicate precision outlier.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	87.7	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	243	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.25	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.4	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.89	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.54	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.91	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.973	pg/g	BJK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.06	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.08	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.77	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.7	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.31	pg/g	K	DNR	EXC	
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.04	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.351	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	Heptachlorodibenzo-P-Dioxin	494	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	HEXACHLORODIBENZOFURAN	134	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	66.2	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	OCTACHLORODIBENZOFURAN	255	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2860	pg/g				✓
SIB-SC-D19-1-2-07192022	20068001	E1613B	PENTACHLORO DIBENZOFURAN	29	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	9.22	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.7	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.31	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20068001	E1613B	TOTAL HpCDFs	350	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	40.8	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	149	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.16	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.35	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.12	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.31	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.94	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.993	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.4	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.889	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D19-2-3-07192022	20068002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.871	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.18	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.67	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.96	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.03	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.991	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.08	pg/g		DNR	EXC	
SIB-SC-D19-2-3-07192022	20068002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	Heptachlorodibenzo-P-Dioxin	302	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	HEXACHLORODIBENZOFURAN	65.3	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43.9	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	OCTACHLORODIBENZOFURAN	139	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1550	pg/g				✓
SIB-SC-D19-2-3-07192022	20068002	E1613B	PENTACHLORO DIBENZOFURAN	21.8	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	6.65	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.8	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.79	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20068002	E1613B	TOTAL HpCDFs	164	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	78.5	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	402	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.21	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.15	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.78	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.55	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.4	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.16	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.64	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.36	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.51	pg/g	K	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.85	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.08	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.7	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.7	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.46	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.06	pg/g		DNR	EXC	
SIB-SC-D19-3-4-07192022	20068003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.16	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	Heptachlorodibenzo-P-Dioxin	908	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	HEXACHLORODIBENZOFURAN	144	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D19-3-4-07192022	20068003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	150	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	OCTACHLORODIBENZOFURAN	286	pg/g				✓
SIB-SC-D19-3-4-07192022	20068003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6320	pg/g	E	J	ACR	
SIB-SC-D19-3-4-07192022	20068003	E1613B	PENTACHLORO DIBENZOFURAN	73.3	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	28.3	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	44.4	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.5	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20068003	E1613B	TOTAL HpCDFs	306	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.33	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	36.7	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.758	pg/g	BJ			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.446	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.797	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.72	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.964	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.264	pg/g	BJ	U	MBL	
SIB-SC-D19-4-5-07192022	20068004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.238	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.716	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.571	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.56	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.67	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	Heptachlorodibenzo-P-Dioxin	81.9	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	HEXACHLORODIBENZOFURAN	15.3	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	14.1	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	OCTACHLORODIBENZOFURAN	27.9	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	490	pg/g				✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	PENTACHLORO DIBENZOFURAN	7.43	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.68	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.38	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20068004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.75	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20068004	E1613B	TOTAL HpCDFs	33.6	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	136	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	706	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.6	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.65	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.4	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	31.7	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.85	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.4	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.58	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.91	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.86	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.44	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.2	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.2	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.72	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.72	pg/g		DNR	EXC	
SIB-SC-D19-5-6-07192022	20068005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.84	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	Heptachlorodibenzo-P-Dioxin	1580	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	HEXACHLORODIBENZOFURAN	244	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	275	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	OCTACHLORODIBENZOFURAN	428	pg/g				✓
SIB-SC-D19-5-6-07192022	20068005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10600	pg/g	E	J	ACR	
SIB-SC-D19-5-6-07192022	20068005	E1613B	PENTACHLORO DIBENZOFURAN	112	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	49.2	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	70.9	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.9	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20068005	E1613B	TOTAL HpCDFs	531	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	62.7	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	192	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.12	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.4	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.76	pg/g	J			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.56	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.19	pg/g	J			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.6	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.918	pg/g	BJK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.672	pg/g	J			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.59	pg/g	J			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.86	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.98	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.22	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	pg/g	K	DNR	EXC	
SIB-SC-D17-1-2-07192022	20068006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	Heptachlorodibenzo-P-Dioxin	435	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	HEXACHLORODIBENZOFURAN	87.7	pg/g	J			✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	53.3	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	OCTACHLORODIBENZOFURAN	209	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2050	pg/g				✓
SIB-SC-D17-1-2-07192022	20068006	E1613B	PENTACHLORO DIBENZOFURAN	24.3	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	7.56	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.4	pg/g	JK	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.998	pg/g	K	J	VJ	
SIB-SC-D17-1-2-07192022	20068006	E1613B	TOTAL HpCDFs	265	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	30.6	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	31.6	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.28	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.2	pg/g	J			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.7	pg/g	J			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.34	pg/g	J			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.27	pg/g	J			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.08	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.94	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.23	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	Heptachlorodibenzo-P-Dioxin	70.4	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	HEXACHLORODIBENZOFURAN	38.7	pg/g	J			✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.85	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	OCTACHLORODIBENZOFURAN	43.3	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	373	pg/g				✓
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	PENTACHLORO DIBENZOFURAN	10.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.936	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.87	pg/g	JK	J	VJ,FDPA	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.223	pg/g	JK	J	VJ	
SIB-SC-D17-2-3-07/19/2022	20068007	E1613B	TOTAL HpCDFs	93.2	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.6	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	28.8	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.781	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.08	pg/g	BJ			✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.304	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.44	pg/g	J			✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.47	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.512	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-14-07/19/2022	20068008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-14-07/19/2022	20068008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.964	pg/g	J			✓
FD-14-07/19/2022	20068008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.785	pg/g	J			✓
FD-14-07/19/2022	20068008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.54	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.75	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.43	pg/g	J			✓
FD-14-07/19/2022	20068008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-14-07/19/2022	20068008	E1613B	Heptachlorodibenzo-P-Dioxin	67.6	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	HEXACHLORODIBENZOFURAN	25.3	pg/g	J			✓
FD-14-07/19/2022	20068008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	OCTACHLORODIBENZOFURAN	32	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	372	pg/g				✓
FD-14-07/19/2022	20068008	E1613B	PENTACHLORO DIBENZOFURAN	13.1	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.46	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.74	pg/g	JK	J	VJ,FDPA	
FD-14-07/19/2022	20068008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.209	pg/g	JK	J	VJ	
FD-14-07/19/2022	20068008	E1613B	TOTAL HpCDFs	62.7	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.85	pg/g				✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	27	pg/g		J	MSH,MSP	
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.764	pg/g	J			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.08	pg/g	BJ			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.526	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.14	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.218	pg/g	BJ	U	MBL	
SIB-SC-D17-3-4-07192022	20068009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.508	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.326	pg/g	J			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.932	pg/g				✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.14	pg/g				✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.474	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	Heptachlorodibenzo-P-Dioxin	55.2	pg/g				✓
SIB-SC-D17-3-4-07192022	20068009	E1613B	HEXACHLORODIBENZOFURAN	13.6	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.9	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	OCTACHLORODIBENZOFURAN	29.4	pg/g		J	MSP	
SIB-SC-D17-3-4-07192022	20068009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	264	pg/g		J	MSH,MSLX,MSP	
SIB-SC-D17-3-4-07192022	20068009	E1613B	PENTACHLORO DIBENZOFURAN	4.14	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	1.51	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.51	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.226	pg/g	JK	J	VJ	
SIB-SC-D17-3-4-07192022	20068009	E1613B	TOTAL HpCDFs	36.8	pg/g	J			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.921	pg/g	BJ	U	MBL	
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.05	pg/g	J			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.224	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0975	pg/g				✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.33	pg/g				✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.272	pg/g	JK	J	VJ	
SIB-SC-D17-4-5-07192022	20068012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	Heptachlorodibenzo-P-Dioxin	6.98	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D17-4-5-07192022	20068012	E1613B	HEXACHLORODIBENZOFURAN	1.22	pg/g	BJK	J	VJ	
SIB-SC-D17-4-5-07192022	20068012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.699	pg/g	J			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	OCTACHLORODIBENZOFURAN	2.1	pg/g	J			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	25.3	pg/g				✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	PENTACHLORO DIBENZOFURAN	0.357	pg/g	BJK	J	VJ	
SIB-SC-D17-4-5-07192022	20068012	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.272	pg/g	JK	J	VJ	
SIB-SC-D17-4-5-07192022	20068012	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-4-5-07192022	20068012	E1613B	TOTAL HpCDFs	2.64	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.699	pg/g	BJ	U	MBL	
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	0.17	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0808	pg/g				✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.326	pg/g				✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.266	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	Heptachlorodibenzo-P-Dioxin	5.4	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	HEXACHLORODIBENZOFURAN	1.15	pg/g	BJK	J	VJ	
SIB-SC-D17-5-6-07192022	20068013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.14	pg/g	JK	J	VJ	
SIB-SC-D17-5-6-07192022	20068013	E1613B	OCTACHLORODIBENZOFURAN	2.02	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	20.1	pg/g				✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	PENTACHLORO DIBENZOFURAN	0.101	pg/g	BJK	J	VJ	
SIB-SC-D17-5-6-07192022	20068013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.201	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.266	pg/g	J			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D17-5-6-07192022	20068013	E1613B	TOTAL HpCDFs	2.47	pg/g	BJ			✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	332	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1090	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	21	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	26.2	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.84	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.6	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	34.7	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.07	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.39	pg/g	J			✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.18	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14.8	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.94	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	39.6	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	39.6	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.31	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.94	pg/g		DNR	EXC	
SIB-SC-D18-0-1-07192022	20068014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.41	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	Heptachlorodibenzo-P-Dioxin	2330	pg/g	E	J	ACR	
SIB-SC-D18-0-1-07192022	20068014	E1613B	HEXACHLORODIBENZOFURAN	440	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	314	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	OCTACHLORODIBENZOFURAN	1210	pg/g				✓
SIB-SC-D18-0-1-07192022	20068014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12600	pg/g	E	J	ACR	
SIB-SC-D18-0-1-07192022	20068014	E1613B	PENTACHLORO DIBENZOFURAN	145	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	49.1	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	69	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19	pg/g	JK	J	VJ	
SIB-SC-D18-0-1-07192022	20068014	E1613B	TOTAL HpCDFs	1290	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	9.93	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	18.7	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.951	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.719	pg/g	BJ			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.641	pg/g	J			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.883	pg/g	J			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.563	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.604	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.524	pg/g	J			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.887	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.17	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	Heptachlorodibenzo-P-Dioxin	46.3	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	HEXACHLORODIBENZOFURAN	12.4	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.08	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	OCTACHLORODIBENZOFURAN	26.6	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	284	pg/g				✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	PENTACHLORO DIBENZOFURAN	6.47	pg/g	J			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	1.09	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.464	pg/g	JK	J	VJ	
SIB-SC-D18-1-2-07192022	20068015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.672	pg/g	J			✓
SIB-SC-D18-1-2-07192022	20068015	E1613B	TOTAL HpCDFs	32.7	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	214	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	211	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.94	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.57	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.2	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.13	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.05	pg/g	J			✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.62	pg/g	J			✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.55	pg/g	J			✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.87	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.96	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.7	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.7	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.37	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.19	pg/g	K	DNR	EXC	
SIB-SC-D18-2-3-07192022	20068016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.575	pg/g	K	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	Heptachlorodibenzo-P-Dioxin	526	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	HEXACHLORODIBENZOFURAN	216	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	86	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	OCTACHLORODIBENZOFURAN	281	pg/g				✓
SIB-SC-D18-2-3-07192022	20068016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3350	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D18-2-3-07192022	20068016	E1613B	PENTACHLORO DIBENZOFURAN	157	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	27.8	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	66.8	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.4	pg/g	JK	J	VJ	
SIB-SC-D18-2-3-07192022	20068016	E1613B	TOTAL HpCDFs	497	pg/g	J			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	293	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	101	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.45	pg/g	J			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.869	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.8	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.1	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.29	pg/g	BJK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.909	pg/g	J			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.71	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.67	pg/g	J			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.7	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.8	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.857	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	Heptachlorodibenzo-P-Dioxin	261	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	HEXACHLORODIBENZOFURAN	215	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	58.2	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	OCTACHLORODIBENZOFURAN	147	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1610	pg/g				✓
SIB-SC-D18-3-4-07192022	20068017	E1613B	PENTACHLORO DIBENZOFURAN	115	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.5	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	42.3	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.23	pg/g	JK	J	VJ	
SIB-SC-D18-3-4-07192022	20068017	E1613B	TOTAL HpCDFs	510	pg/g	J			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	34.3	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	20.4	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.813	pg/g	BJK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.45	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.01	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.53	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.304	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.18	pg/g	J			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.922	pg/g	J			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.43	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.68	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	Heptachlorodibenzo-P-Dioxin	47.9	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	HEXACHLORODIBENZOFURAN	26.2	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.84	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	OCTACHLORODIBENZOFURAN	27	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	290	pg/g				✓
SIB-SC-D18-4-5-07192022	20068018	E1613B	PENTACHLORO DIBENZOFURAN	16.2	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.96	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.19	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.59	pg/g	JK	J	VJ	
SIB-SC-D18-4-5-07192022	20068018	E1613B	TOTAL HpCDFs	65.9	pg/g				✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.6	pg/g	J			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.66	pg/g	J			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.221	pg/g	BJ	U	MBL	
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.251	pg/g	J			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.121	pg/g				✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.402	pg/g				✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D18-5-6-07192022	20068019	E1613B	Heptachlorodibenzo-P-Dioxin	6.29	pg/g	J			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	HEXACHLORODIBENZOFURAN	3.58	pg/g	JK	J	VJ	
SIB-SC-D18-5-6-07192022	20068019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.57	pg/g	JK	J	VJ	
SIB-SC-D18-5-6-07192022	20068019	E1613B	OCTACHLORODIBENZOFURAN	3.67	pg/g	J			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	33.2	pg/g				✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	PENTACHLORO DIBENZOFURAN	2	pg/g	BJK	J	VJ	
SIB-SC-D18-5-6-07192022	20068019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.232	pg/g	JK	J	VJ	
SIB-SC-D18-5-6-07192022	20068019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-D18-5-6-07192022	20068019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.194	pg/g	JK	J	VJ	
SIB-SC-D18-5-6-07192022	20068019	E1613B	TOTAL HpCDFs	6.97	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.1	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	33.8	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	0.94	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.53	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.825	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.5	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.842	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.403	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.88	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.739	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.61	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.79	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.539	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.162	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	Heptachlorodibenzo-P-Dioxin	70.9	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	HEXACHLORODIBENZOFURAN	18.3	pg/g	J			✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	OCTACHLORODIBENZOFURAN	38.6	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	402	pg/g				✓
SIB-SC-C18-1-2-07192022	20068020	E1613B	PENTACHLORO DIBENZOFURAN	8.47	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.95	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.958	pg/g	JK	J	VJ	
SIB-SC-C18-1-2-07192022	20068020	E1613B	TOTAL HpCDFs	43.9	pg/g	JK	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	136	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	195	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.6	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.51	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.06	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.7	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.86	pg/g	J			✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.39	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.58	pg/g	BJ	U	MBL	
SIB-SC-C18-2-3-07192022	20068021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.87	pg/g	J			✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.59	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.82	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.8	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.8	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.38	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.56	pg/g		DNR	EXC	
SIB-SC-C18-2-3-07192022	20068021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.7	pg/g	K	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	Heptachlorodibenzo-P-Dioxin	451	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	HEXACHLORODIBENZOFURAN	156	pg/g	JK	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	96.4	pg/g	J			✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	OCTACHLORODIBENZOFURAN	232	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2610	pg/g				✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	PENTACHLORO DIBENZOFURAN	105	pg/g	J			✓
SIB-SC-C18-2-3-07192022	20068021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	25.5	pg/g	JK	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	46.2	pg/g	JK	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.1	pg/g	JK	J	VJ	
SIB-SC-C18-2-3-07192022	20068021	E1613B	TOTAL HpCDFs	380	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	105	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	70.3	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.44	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.96	pg/g	JK	J	VJ	
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.798	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.94	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.9	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.61	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.15	pg/g	BJ	U	MBL	
SIB-SC-C18-3-4-07192022	20068022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.875	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.92	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.74	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.3	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.49	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.798	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	Heptachlorodibenzo-P-Dioxin	155	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	HEXACHLORODIBENZOFURAN	101	pg/g	JK	J	VJ	
SIB-SC-C18-3-4-07192022	20068022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.4	pg/g	JK	J	VJ	
SIB-SC-C18-3-4-07192022	20068022	E1613B	OCTACHLORODIBENZOFURAN	83	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	891	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	PENTACHLORO DIBENZOFURAN	70.5	pg/g	JK	J	VJ	
SIB-SC-C18-3-4-07192022	20068022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.11	pg/g	JK	J	VJ	
SIB-SC-C18-3-4-07192022	20068022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.4	pg/g	J			✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.07	pg/g				✓
SIB-SC-C18-3-4-07192022	20068022	E1613B	TOTAL HpCDFs	215	pg/g	J			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.7	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.7	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.572	pg/g	BJ	U	MBL	
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.04	pg/g	BJ	U	MBL	
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.983	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.596	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.773	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.565	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.989	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.48	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	Heptachlorodibenzo-P-Dioxin	31.6	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	HEXACHLORODIBENZOFURAN	19.7	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	OCTACHLORODIBENZOFURAN	16.1	pg/g				✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	183	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C18-4-5-07192022	20068023	E1613B	PENTACHLORO DIBENZOFURAN	8.06	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.31	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.58	pg/g	JK	J	VJ	
SIB-SC-C18-4-5-07192022	20068023	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-4-5-07192022	20068023	E1613B	TOTAL HpCDFs	41.7	pg/g				✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.77	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.723	pg/g	J			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.218	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.206	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.11	pg/g				✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.578	pg/g				✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.505	pg/g	JK	J	VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	Heptachlorodibenzo-P-Dioxin	1.96	pg/g	J			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	HEXACHLORODIBENZOFURAN	0.783	pg/g	BJK	J	VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.514	pg/g	JK	J	VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6.45	pg/g	J			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	PENTACHLORO DIBENZOFURAN	0.295	pg/g	BJ			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.505	pg/g	JK	J	VJ	
SIB-SC-C18-5-6-07192022	20068024	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C18-5-6-07192022	20068024	E1613B	TOTAL HpCDFs	1.17	pg/g	BJK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20069

July 18, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	E1668	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, April 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20069	SIB-SC-G08-1-2-07142022	20069001	SE	✓
20069	SIB-SC-G08-2-3-07142022	20069002	SE	✓
20069	SIB-SC-G08-3-4-07142022	20069003	SE	✓
20069	SIB-SC-G08-4-5-07142022	20069004	SE	✓
20069	SIB-SC-G08-5-6-07142022	20069005	SE	✓
20069	SIB-SC-D19-1-2-07192022	20069006	SE	✓
20069	SIB-SC-D19-2-3-07192022	20069007	SE	✓
20069	SIB-SC-D19-3-4-07192022	20069008	SE	✓
20069	SIB-SC-D19-4-5-07192022	20069009	SE	✓
20069	SIB-SC-D19-5-6-07192022	20069010	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20069	10 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

Several results reported in the PDF are coelutions of two or more PCB congeners. In the EDD, these coelutions should be reported in the "custom field 1" field. For this SDG, only one of the coeluting PCB congeners is listed in this field. For example, PCB-12/13 from the PDF was reported as 3,4-dichlorobiphenyl (12) in the EDD. No changes were made to the EDD.

For 10 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	✓	Ongoing Precision and Recovery (OPR)
✓	Initial Calibration (ICAL)	1	Certified Reference Material
✓	Calibration Verification (CCAL)	1	Field Replicates
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	✓	Compound Quantitation
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification (Full Validation Only)

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

¹ Quality control results are discussed below, but no data were qualified.

² Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values are considered as positive identifications which are “estimated maximum possible concentrations”. When these occurred in the method blank the results were evaluated. When these occurred in the associated samples, any EMPC values that were less than the action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

For extraction batch, 50598, the following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-G08-3-4-07142022	PCB-18/30	U-MBL
	PCB-156/157	U-MBL
	PCB-167	U-MBL
	PCB-21/33	U-MBL
	PCB-1	U-MBL
SIB-SC-G08-4-5-07142022	PCB-18/30	U-MBL
	PCB-156/157	U-MBL
	PCB-20/28	U-MBL
	PCB-167	U-MBL
	PCB-21/33	U-MBL
	PCB-31	U-MBL
SIB-SC-G08-5-6-07142022	PCB-1	U-MBL
	PCB-18/30	U-MBL
	PCB-156/157	U-MBL
	PCB-20/28	U-MBL
	PCB-167	U-MBL
	PCB-21/33	U-MBL
	PCB-31	U-MBL
PCB-1	U-MBL	

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB02-07132022 and EB03-07202022 are associated with the samples with results reported in this SDG; results for these EBs were reported in CFA SDGs 20047 and 20081. Several results were detected in EB02-07132022, however; no data were qualified based on field blank contamination. EB03-07202022 was free from contamination.

Matrix Spikes/Matrix Spike Duplicates

For extraction batch, 50463, the matrix spike/matrix spike duplicate (MS/MSD) analyses were performed using Sample SIB-SC-D22-1-2-07/06/2022. No qualifiers were applied for instances when only the MS or MSD were outside acceptance criteria. The following outliers were noted:

Analyte	MS %R	MSD %R	RPD	Qualifier
PCB-105	12	658	128	J-MSLX,MSH,MSP
PCB-118	Parent > 4x Spike Conc.		122	J-MSP
PCB-114	--	152	32	J-MSH,MSP
PCB-156/157	--	262	78	J-MSH,MSP
PCB-167	--	201	59	J-MSH,MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Replicates

No field duplicates were submitted.

Reporting Limits

The laboratory practical quantitation limits (PQL) were greater than those provided in the QAPP. Although some individual congeners were reported as not detected at elevated detection limits, the overall total PCB concentrations for most samples were greater than the site CUL.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

For PCB-144, the following samples were flagged "Q" by the laboratory to indicate a shift in the retention times due to matrix interferences. The associated results were estimated (J-RTW).

SIB-SC-D19-2-3-07/19/2022	SIB-SC-D19-3-4-07/19/2022	SIB-SC-D19-4-5-07/19/2022
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Calculation Verification (Full validation only)

Calculation verifications were performed on this SDG. No transcription or calculation errors were found.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as reported by the LCS/LCSD and matrix spike/matrix spike duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were qualified as not detected to indicate that EMPC values represent elevated detection limits. Data were also estimated due to retention time outliers as well as MS/MSD accuracy and precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	2-CHLOROBIPHENYL	150	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	4,4'-DICHLOROBIPHENYL	252	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Chlorobiphenyl; 3-	112	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Chlorobiphenyl; 4-	126	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	DECACHLOROBIPHENYL	409	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,2'-	134	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,3'-	140	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,4'-	350	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 3,3'-	354	pg/g	K	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3490	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1230	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	581	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4040	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2520	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	182	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	652	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1140	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2100	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7910	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	58	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	47.9	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2950	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5220	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	71.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	164	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	702	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	134	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2680	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1280	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	20600	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	7100	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	260	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	566	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	8100	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1260	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3400	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	807	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	443	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3020	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3590	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	781	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	134	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	16100	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	126	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	47.2	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	18400	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	680	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	8.58	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2040	pg/g	C	J	MSH,MSP	
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1500	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	61.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1570	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	23.3	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	942	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	126	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	269	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1940	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1260	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	837	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	401	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2670	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	345	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	589	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1730	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	113	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	PCB-167	649	pg/g		J	MSH,MSP	
SIB-SC-G08-1-2-07142022	20069001	E1668	PCB-82	1580	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1100	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4850	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2060	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11500	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	18300	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	132	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3460	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	680	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5130	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	178	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	410	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	18600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	177	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8760	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	631	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	14.9	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4020	pg/g		J	MSLX,MSH,MSP	
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	507	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	157	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	948	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	19600	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	26.4	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	228	pg/g		J	MSH,MSP	
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	163	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	13900	pg/g		J	MSP	
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	127	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	20.4	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	42.7	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Polychlorinated Biphenyl (PCB)	310000	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	TETRACHLORO 1,1'-BIPHENYL	9160	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1240	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	922	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	34.9	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6720	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,5-	221	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	123	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	755	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5390	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	328	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	633	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	12300	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	71.8	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1230	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	265	pg/g	CJ			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	273	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3990	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	163	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	181	pg/g	JK	J	VJ	
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	79.4	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1310	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	263	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	270	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	215	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,2',3'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,2',4'-	324	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,2',5'-	397	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,2',6'-	168	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3,3'-	1120	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3,4'-	228	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3,4'-	634	pg/g	C			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3',4'-	113	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3',5'-	19.2	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3',5'-	177	pg/g	CJ			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3,6'-	116	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,3',6'-	65.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,4',5-	654	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 2,4',6-	245	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 3,3',4-	40.9	pg/g	J			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 3,4,4'-	300	pg/g				✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G08-1-2-07142022	20069001	E1668	Trichlorobiphenyl; 3,4',5-	39.8	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	2-CHLOROBIPHENYL	1370	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	4,4'-DICHLOROBIPHENYL	834	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Chlorobiphenyl; 3-	152	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Chlorobiphenyl; 4-	708	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	DECACHLOROBIPHENYL	1410	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,2'-	1090	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,3'-	1220	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,4'-	2030	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,4-	127	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,5-	210	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 3,3'-	250	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	17700	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5820	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2990	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	16000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	9330	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	877	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2390	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3340	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	6480	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	34900	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	337	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	12800	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	19200	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	871	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	3630	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6'-	745	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	22700	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	8930	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	134000	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	47200	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2250	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1850	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	33400	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7740	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	15700	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	8020	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	2520	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	19900	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	15200	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	5200	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	85800	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	239	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	152	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	89200	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1440	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	21200	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	12800	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	437	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	7970	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	5080	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	609	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	1170	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	8870	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	5120	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3280	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1750	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	9970	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1310	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1940	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	7130	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	570	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	PCB-167	5720	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	PCB-82	14000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	8300	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	34000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	18000	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	84900	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	135000	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	918	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	19000	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	3320	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	28900	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	635	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	900	pg/g	CJK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	121000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	842	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	55000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1270	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	45700	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	4680	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	1450	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	7460	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	154000	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	2570	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	1550	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	126000	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	367	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	281	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Polychlorinated Biphenyl (PCB)	2E+06	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	TETRACHLORO 1,1'-BIPHENYL	63000	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	9240	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	5170	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	362	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	37400	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	794	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	1280	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3430	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	25500	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1600	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	4510	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	74400	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	111	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	7540	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	262	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,3',5-	186	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1110	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	2180	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	22800	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,4',5-	987	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	783	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3',4,5-	392	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3,4',6-	8380	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	977	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1540	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	1490	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,2',3-	1050	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,2',4-	1900	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,2',5-	3090	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,2',6-	440	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3,3'-	7630	pg/g	C			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3,4'-	1240	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3,4-	2600	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3',4-	1290	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3',5'-	109	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3',5-	1950	pg/g	CJ			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,3',6-	267	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,4',5-	4760	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 2,4',6-	2220	pg/g				✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 3,3',4-	118	pg/g	J			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 3,4,4'-	1040	pg/g	JK	J	VJ	
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G08-2-3-07142022	20069002	E1668	Trichlorobiphenyl; 3,4',5-	221	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	2-CHLOROBIPHENYL	8.02	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Chlorobiphenyl; 4-	6.96	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	DECACHLOROBIPHENYL	15.2	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,4'-	9.6	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 3,3'-	28.7	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	56.1	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	22	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	10.9	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	72.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	44.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	4.53	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	13.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	20.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	40.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	132	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	53.9	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	109	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	12.4	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	38.6	pg/g	BCJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	22.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	323	pg/g	C			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	121	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	128	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	18.1	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	45	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	10.5	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	47.2	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	61.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	15.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	285	pg/g	C			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	330	pg/g	C			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	10.6	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	31.5	pg/g	BCJK	UJ	MBL,VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	17.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	22.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	30.9	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	10.9	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	30.4	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	20.7	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	13.3	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	8.44	pg/g	CJK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	52.4	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	6.54	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	11.8	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	28.5	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20069003	E1668	PCB-167	9.96	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	PCB-82	19.7	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	30.2	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	66.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	29.6	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	142	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	290	pg/g	C			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	53.8	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	76.7	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	244	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	135	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	47.6	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	23.6	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	322	pg/g	C			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	231	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20069003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Polychlorinated Biphenyl (PCB)	5150	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	TETRACHLORO 1,1'-BIPHENYL	168	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	44.5	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	22.4	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	140	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	10.1	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	21	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	120	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	21.4	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	175	pg/g				✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	27.2	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	92.5	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	5.74	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	21.6	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	7.75	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-3-4-07142022	20069003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,2',4-	8.28	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,2',5-	13.5	pg/g	BCJ	U	MBL	
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3,3'-	40.6	pg/g	BCJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3,4'-	7	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3,4-	13.7	pg/g	BCJ	U	MBL	
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3',4-	10.9	pg/g	JK	J	VJ	
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3',5-	18	pg/g	CJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,4',5-	21.8	pg/g	BJ			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 2,4',6-	10.4	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 3,4,4'-	6.46	pg/g	J			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G08-3-4-07142022	20069003	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	2-CHLOROBIPHENYL	3.26	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Chlorobiphenyl; 3-	6.21	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Chlorobiphenyl; 4-	4.48	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	DECACHLOROBIPHENYL	38.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 3,3'-	50.4	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	72.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	39.8	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	15.1	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	159	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	82.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	9.02	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	35.2	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	40	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	107	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	203	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	116	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	196	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	13.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	3.84	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	40.8	pg/g	BCJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	24.5	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	513	pg/g	C			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	186	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	248	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	18.3	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	76.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	7.92	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	103	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	85.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	28.9	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	472	pg/g	C			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	585	pg/g	C			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	9.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	32.4	pg/g	BCJ	U	MBL	
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	34.9	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	38.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	53.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	7.43	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	26.3	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	43.6	pg/g	BJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	31.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	17.6	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	13.4	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6-	84.1	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	14.7	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	29.4	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	47.5	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	PCB-167	15.3	pg/g	BJ	U	MBL	
SIB-SC-G08-4-5-07142022	20069004	E1668	PCB-82	23.3	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	15.7	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	75.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	30	pg/g	CJK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	163	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	282	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	46.8	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	78.5	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	289	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	139	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	49.4	pg/g	BJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	10.7	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	312	pg/g	C			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	199	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Polychlorinated Biphenyl (PCB)	6870	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	TETRACHLORO 1,1'-BIPHENYL	174	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	38.3	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	25.2	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	162	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	4.38	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	6.52	pg/g	CJK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	153	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	8.59	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	277	pg/g				✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	23.8	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	8.96	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	78.6	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3,4',6-	26	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	6.21	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,2',4-	4.27	pg/g	JK	J	VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,2',5-	5.78	pg/g	BCJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3,3'-	19	pg/g	BCJ	U	MBL	
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3,4'-	3.41	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3,4-	9.89	pg/g	BCJK	UJ	MBL,VJ	
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3',4-	5.06	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3',5-	5.68	pg/g	CJ			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,4',5-	15	pg/g	BJ	U	MBL	
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 2,4',6-	5.06	pg/g	J			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G08-4-5-07142022	20069004	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	2-CHLOROBIPHENYL	3.77	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Chlorobiphenyl; 3-	5.08	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Chlorobiphenyl; 4-	4.18	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	DECACHLOROBIPHENYL	143	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 2,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 3,3'-	35.6	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 3,4'-		pg/g	CU			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Dichlorobiphenyl; 3,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	72.3	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	27.7	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	13.8	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	98	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	57.2	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	6.32	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	17.8	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	24.3	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	54	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	186	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	78	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	132	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	4.19	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	13.9	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	2.92	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	49.9	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	29.5	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	404	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	134	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4.97	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	9.45	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	163	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	18.7	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	80.1	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	14.8	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	7.9	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	55	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	75.9	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	16.6	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	352	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	3.99	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	403	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	13.6	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	37.7	pg/g	BCJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	27.2	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	28	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	111	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	13.2	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	49.5	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	52.3	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	37.7	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	19.1	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	12.9	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	97.5	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	13.9	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	25.4	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	54.7	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	2.81	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	PCB-167	14	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	PCB-82	26.4	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	18.7	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	93.8	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	38.7	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	196	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	344	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	71.2	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	12.9	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	96.4	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	5.86	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	398	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	4.13	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	166	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	12.1	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	68.2	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	8.99	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	17.4	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	360	pg/g	C			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	3.81	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	234	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Polychlorinated Biphenyl (PCB)	6560	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	TETRACHLORO 1,1'-BIPHENYL	176	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	27.5	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	20.9	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	129	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	3.89	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	8.1	pg/g	CJK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	112	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	6.82	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	9.07	pg/g	CJ			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	254	pg/g				✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	26.2	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	4.92	pg/g	CJK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	5.56	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	70.3	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	3.51	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	4.51	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	25.8	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	7.71	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 2,3',5',6-	3.67	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	6.05	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,2',3-	2.78	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,2',4-	7.77	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,2',5-	7.66	pg/g	BCJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,2',6-	2.86	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3,3'-	10.6	pg/g	BCJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3,4'-	2.72	pg/g	JK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3,4-	10.7	pg/g	BCJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3',4-	2.35	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3',5-	4.26	pg/g	CJK	J	VJ	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,4',5-	8.71	pg/g	BJ	U	MBL	
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 2,4',6-	4	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 3,4,4'-	2.45	pg/g	J			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G08-5-6-07142022	20069005	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	2-CHLOROBIPHENYL	282	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	4,4'-DICHLOROBIPHENYL	456	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Chlorobiphenyl; 3-	248	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Chlorobiphenyl; 4-	393	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	DECACHLOROBIPHENYL	972	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,2'-	375	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,3'-	254	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,4'-	610	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,4-	55.6	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 2,6-	29.1	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 3,3'-	522	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 3,4-	237	pg/g	CJ			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5250	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1880	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	881	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6760	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4360	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	307	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1150	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1900	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3940	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	12300	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	87.1	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	55.8	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4640	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	9310	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	46.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	239	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1060	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	212	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3600	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1940	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	30900	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	10300	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	328	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1280	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	16100	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2180	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5990	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1030	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	806	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4250	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7320	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1150	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	394	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	27800	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	315	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	109	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	29800	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1680	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	14.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2060	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2510	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	62.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1770	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	204	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	580	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2510	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1720	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1080	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	552	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4080	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	502	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	796	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2540	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	144	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	PCB-167	902	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	PCB-82	2020	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2070	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	7150	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3400	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	16300	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	29600	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	169	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	8300	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1410	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	10800	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	543	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	1120	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	26200	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	358	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	17200	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1550	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	29.7	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4500	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	618	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	199	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2060	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	31200	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	98.4	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	240	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	182	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	21300	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	386	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	59.2	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	66.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Polychlorinated Biphenyl (PCB)	513000	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	TETRACHLORO 1,1'-BIPHENYL	14100	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3200	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2420	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,4-	68.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	13700	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,5-	368	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	279	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1430	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	11600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',4,5-	700	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1260	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15600	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	82.1	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2120	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	129	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,3',6-	661	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	340	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10500	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,4',5-	457	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	610	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3',4,5-	133	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2420	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	750	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	612	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	553	pg/g	K	J	VJ	
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	26.4	pg/g	JK	J	VJ	
SIB-SC-D19-1-2-07192022	20069006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,2',3-	293	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,2',4-	634	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,2',5-	904	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,2',6-	214	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3,3'-	2400	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3,4'-	491	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3,4-	987	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3',4-	205	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3',5'-	28.6	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3',5-	339	pg/g	C			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,3',6-	134	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,4',5-	1420	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 2,4',6-	451	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 3,3',4-	63.6	pg/g	J			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 3,4,4'-	576	pg/g				✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D19-1-2-07192022	20069006	E1668	Trichlorobiphenyl; 3,4',5-	70.5	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	2,3-DICHLOROBIPHENYL	34	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	2-CHLOROBIPHENYL	1180	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	4,4'-DICHLOROBIPHENYL	835	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Chlorobiphenyl; 3-	166	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Chlorobiphenyl; 4-	629	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	DECACHLOROBIPHENYL	1610	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,2'-	579	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,3'-	366	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,4'-	1060	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,4-	114	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,5-	101	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 2,6-	64.1	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 3,3'-	439	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 3,4-	236	pg/g	CJ			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	10600	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3650	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1910	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	11400	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7580	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	498	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1590	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3020	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5460	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24200	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	62.4	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	114	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8110	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	13.8	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	16100	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	93.2	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	441	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2160	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	457	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	7480	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3510	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	52800	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	18100	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	653	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1560	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	21700	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3090	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	8630	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1880	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1230	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	7840	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	10600	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	347	pg/g	Q	J	RTW	
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	532	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	44600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	15.5	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	430	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	52.7	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	45600	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2220	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	24.1	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5110	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	4120	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3710	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	95.4	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2830	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	346	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	881	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	5730	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	3000	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2240	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	938	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6660	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	774	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1430	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	4280	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	276	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	PCB-167	1800	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	PCB-82	4000	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3100	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	11900	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	5670	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	28000	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	53800	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	311	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	9300	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1520	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	14100	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	277	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	1070	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	46500	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	323	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	24800	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2050	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	28.9	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8670	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1190	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	356	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2950	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	55800	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	93.6	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	467	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	323	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	37000	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	715	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	98.5	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	128	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Polychlorinated Biphenyl (PCB)	841000	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	TETRACHLORO 1,1'-BIPHENYL	23700	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3660	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3370	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	263	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15500	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	314	pg/g	K	J	VJ	
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	1120	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	15600	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1120	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	1680	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	35300	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	54.7	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3270	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	204	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	952	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	486	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	12600	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	532	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	52.9	pg/g	JK	J	VJ	
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	210	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	4500	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1120	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	699	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	984	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	1280	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	93.3	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,2',3'-	540	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,2',4'-	1020	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,2',5'-	1550	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,2',6-	220	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3,3'-	4280	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3,4'-	747	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3,4-	1800	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3',4-	385	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3',5'-	59.4	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3',5-	679	pg/g	C			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,3',6-	210	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,4',5-	2500	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 2,4',6-	651	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 3,3',4-	85.7	pg/g	J			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 3,4,4'-	898	pg/g				✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D19-2-3-07192022	20069007	E1668	Trichlorobiphenyl; 3,4',5-	148	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	2-CHLOROBIPHENYL	364	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	4,4'-DICHLOROBIPHENYL	631	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Chlorobiphenyl; 3-	70.6	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Chlorobiphenyl; 4-	216	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	DECACHLOROBIPHENYL	1220	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,2'-	390	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,3'-	293	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,4'-	1030	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,4-	64.1	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,5-	69.4	pg/g	JK	J	VJ	
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 2,6-	24.8	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 3,3'-	146	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 3,4-	143	pg/g	CJ			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9390	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3160	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1670	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	11100	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6890	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	440	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1460	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2620	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4970	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24200	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	33.9	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	59.8	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7820	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	6.76	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	15100	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	29.6	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	345	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1870	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	341	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3210	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2100	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	29300	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	9500	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	270	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	818	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	14200	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1410	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5300	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	657	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	550	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4710	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7070	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	202	pg/g	Q	J	RTW	
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	181	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	29000	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	180	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	24.8	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	31300	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1110	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	6.35	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2200	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1730	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2060	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	29	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1980	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	256	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	566	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	5920	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2950	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2320	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	939	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6370	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	712	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1190	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3950	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	252	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	PCB-167	777	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	PCB-82	1770	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1390	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5000	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2520	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11700	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	25700	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	180	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4350	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	754	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	7070	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	128	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	388	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	20600	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	184	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	11900	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	997	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	11.3	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3470	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	452	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	162	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1380	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	24300	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	44.8	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	168	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	160	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	14900	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	263	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	18.9	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	45.1	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Polychlorinated Biphenyl (PCB)	521000	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	TETRACHLORO 1,1'-BIPHENYL	17400	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3760	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2960	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,4-	380	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10900	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,5-	455	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	333	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1140	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8510	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1680	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',4,6-	899	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15000	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	39	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3900	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	138	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,3',6-	874	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	560	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9520	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,4',5-	431	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	255	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3',4,5-	255	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3820	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	461	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	657	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,2',3-	1070	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,2',4-	1910	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,2',5-	3070	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,2',6-	286	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3,3'-	6340	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3,4'-	1660	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3,4-	2680	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3',4-	492	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3',5'-	81.3	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3',5-	848	pg/g	C			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,3',6-	273	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,4',5-	4420	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 2,4',6-	835	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 3,3',4-	102	pg/g	J			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 3,4,4'-	1100	pg/g				✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D19-3-4-07192022	20069008	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	2-CHLOROBIPHENYL	255	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	4,4'-DICHLOROBIPHENYL	796	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Chlorobiphenyl; 3-	52.9	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Chlorobiphenyl; 4-	159	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	DECACHLOROBIPHENYL	1820	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,2'-	591	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,3'-	477	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,4'-	1670	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,4-	89.9	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,5-	103	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 2,6-	46.1	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 3,3'-	147	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 3,4-	194	pg/g	CJ			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9910	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3360	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1760	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	11900	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	8010	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	460	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1530	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3000	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5640	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24900	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	52.2	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	59.3	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8250	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	16600	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	51.8	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	367	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1990	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	357	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3140	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2330	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	31500	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	10700	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	250	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1310	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	17800	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1720	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6800	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	659	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	821	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4870	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	9790	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	128	pg/g	JQ	J	RTW	
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	394	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	35100	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	351	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	18	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	36100	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2070	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	13.7	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2160	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1650	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2230	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	53.7	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2440	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	316	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	751	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	6290	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	3170	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2510	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1010	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6820	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	782	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1300	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	4120	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	265	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	PCB-167	755	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	PCB-82	1600	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1540	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4880	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2490	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	12100	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	30200	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	174	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	5390	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1600	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	10100	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	162	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	643	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	25000	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	163	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	15300	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1880	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	7.37	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3070	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	415	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	172	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1710	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	25400	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	78.5	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	156	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	131	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	15000	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	440	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	49.1	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	45.4	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Polychlorinated Biphenyl (PCB)	600000	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	TETRACHLORO 1,1'-BIPHENYL	19200	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4740	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3000	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,4-	544	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	14300	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,5-	435	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	368	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1320	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	12400	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1620	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1090	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	21600	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	33.1	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4280	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	161	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,3',6-	949	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	556	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10800	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,4',5-	440	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	46.4	pg/g	JK	J	VJ	
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3',4,5-	281	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3900	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	704	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	690	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	530	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,2',3-	1220	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,2',4-	2240	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,2',5-	3470	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,2',6-	308	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3,3'-	7590	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3,4'-	1820	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3,4-	3030	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3',4-	533	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3',5'-	87	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3',5-	1090	pg/g	C			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,3',6-	303	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,4',5-	5020	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 2,4',6-	1080	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 3,3',4-	109	pg/g	J			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 3,4,4'-	1170	pg/g				✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D19-4-5-07192022	20069009	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	2-CHLOROBIPHENYL	212	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	4,4'-DICHLOROBIPHENYL	636	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Chlorobiphenyl; 3-	50	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Chlorobiphenyl; 4-	159	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	DECACHLOROBIPHENYL	1020	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,2'-	317	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,3'-	229	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,4'-	810	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,4-	53.9	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,5-	73.5	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 2,6-	20.1	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 3,3'-	215	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 3,4-	134	pg/g	CJ			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4730	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1550	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	869	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5380	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3390	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	231	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	765	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1350	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2630	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11300	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	47.3	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	35.1	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3810	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7620	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	14.7	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	188	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	894	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	164	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2080	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1370	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	17400	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5990	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	177	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	482	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7670	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	873	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3160	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	506	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	361	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2410	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4120	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	722	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	120	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	17200	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	136	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	12.4	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	17900	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	775	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	11.6	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1610	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1050	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	48.5	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1180	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1200	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	158	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	310	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2930	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1590	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1150	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	510	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3580	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	403	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	639	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2240	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	138	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	PCB-167	545	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	PCB-82	1350	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1250	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3450	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1820	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	8170	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	17800	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	141	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3410	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	503	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4400	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	73.9	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	370	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14900	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	119	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	8580	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	734	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	9.83	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3030	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	339	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	104	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	1170	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	17200	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	34.2	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	127	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	102	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	12400	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	180	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	21.3	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-	31.9	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Polychlorinated Biphenyl (PCB)	337000	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	TETRACHLORO 1,1'-BIPHENYL	14400	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2840	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1980	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	207	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	7610	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	302	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	297	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	939	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	6420	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1160	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	737	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	10900	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	13.9	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3320	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	110	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	61	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	605	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	566	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	8390	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	370	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	216	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	167	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	2840	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	353	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	621	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	215	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,2',3'-	731	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,2',4'-	1240	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,2',5'-	2000	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,2',6'-	204	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3,3'-	4690	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3,4'-	1190	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3,4'-	1880	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3',4'-	316	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3',5'-	74.4	pg/g	JK	J	VJ	
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3',5'-	572	pg/g	C			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,3',6'-	179	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,4',5'-	3380	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No Qualification Required
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 2,4',6-	632	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 3,3',4-	67.6	pg/g	J			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 3,4,4'-	1100	pg/g				✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D19-5-6-07192022	20069010	E1668	Trichlorobiphenyl; 3,4',5-	74	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

HydroGeoLogic, Inc
11107 Sunset Hills Rd. Suite 400
Reston, VA 20190

Prepared by:

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EcoChem Project: C28601-1

SDG: 20075

February 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20075	SIB-SC-E17-1-2-07192022	20075001	SE	✓
20075	SIB-SC-E17-2-3-07192022	20075002	SE	✓
20075	SIB-SC-E17-3-4-07192022	20075003	SE	✓
20075	SIB-SC-E17-4-5-07192022	20075004	SE	✓
20075	SIB-SC-E17-5-6-07192022	20075005	SE	✓
20075	SIB-SC-F25-1-2-07202022	20075006	SE	✓
20075	SIB-SC-F25-2-3-07202022	20075007	SE	✓
20075	SIB-SC-F25-3-4-07202022	20075008	SE	✓
20075	SIB-SC-F25-4-5-07202022	20075009	SE	✓
20075	SIB-SC-F25-5-5.6-07202022	20075010	SE	✓
20075	SIB-SC-E20-1-2-07202022	20075011	SE	✓
20075	SIB-SC-E20-2-3-07202022	20075012	SE	✓
20075	SIB-SC-E20-3-4-07202022	20075013	SE	✓
20075	SIB-SC-E20-4-5-07202022	20075016	SE	✓
20075	SIB-SC-E20-5-6-07202022	20075017	SE	✓
20075	SIB-SC-E20-6-7-07202022	20075018	SE	✓
20075	SIB-SC-E20-7-8-07202022	20075019	SE	✓
20075	SIB-SC-E20-8-9-07202022	20075020	SE	✓
20075	SIB-SC-E20-9-10-07202022	20075021	SE	✓
20075	SIB-SC-E20-10-11-07202022	20075022	SE	✓
20075	SIB-SC-E20-11-12-07202022	20075023	SE	✓
20075	SIB-SC-E20-12-13-07/20/2022	20075024	SE	✓
20075	FD-15-07/20/2022	20075025	SE	✓
20075	SIB-SC-E20-13-14-07202022	20075026	SE	✓
20075	SIB-SC-E20-14-14.8-07/20/2022	20075027	SE	✓
20075	SIB-SC-E19-1-2-07202022	20075028	SE	✓
20075	SIB-SC-E19-2-3-07202022	20075029	SE	✓
20075	SIB-SC-E19-3-4-07202022	20075030	SE	✓
20075	SIB-SC-E19-4-5-07202022	20075031	SE	✓
20075	SIB-SC-E19-5-6-07202022	20075032	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20075	30 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffices were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50710: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E17-1-2-07192022	1,2,3,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E17-2-3-07192022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E17-3-4-07192022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E17-4-5-07192022	1,2,3,7,8,9-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E20-1-2-07202022	1,2,3,4,7,8-HxCDD	U-MBL
	1,2,3,7,8,9-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E20-3-4-07202022	1,2,3,4,7,8-HxCDD	U-MBL
	1,2,3,7,8,9-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E20-5-6-07202022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E20-6-7-07202022	1,2,3,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E20-7-8-07202022	1,2,3,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-E20-8-9-07202022	1,2,3,7,8-PeCDF	U-MBL

	2,3,7,8-TCDF	U-MBL
SIB-SC-F25-4-5-07202022	1,2,3,4,7,8-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,7,8-TCDF	U-MBL
SIB-SC-F25-5-5.6-07202022	1,2,3,7,8-PeCDF	U-MBL

Extraction Batch 50773: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E20-14-14.8-07/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDD	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50710, the MS/MSD analyses were performed using Sample SIB-SC-E20-3-4-07/20/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	636	OK	114	J-MSH,MSP
1,2,3,4,7,8-HxCDF	OK	OK	25.3	J-MSP
1,2,3,4,6,7,8-HpCDF	275	OK	82.3	J-MSH,MSP
OCDF	298	OK	83.6	J-MSH,MSP
OCDD	Parent conc > 4x spike		140	J-MSP

For Extraction Batch 50771, the MS/MSD analyses were performed using Sample SIB-SC-E20-9-10-07/20/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	56	138	33.9	J-MSL,MSH,MSP
1,2,3,4,6,7,8-HpCDF	56	159	38.4	J-MSL,MSH,MSP
OCDF	OK	137	32.7	J-MSH,MSP
OCDD	Parent conc > 4x spike		52.9	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-E20-12-13-07/20/2022 & FD-15-07/20/2022, was submitted. The difference value for Total HxCDD was greater than the control limit; the associated parent and field duplicate results were estimated (J-FDPA).

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Other data were estimated due to calibration range exceedances, MS/MSD accuracy and precision outliers, and a field duplicate precision outlier.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	45.3	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	97.4	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.36	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.89	pg/g	BJ			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.811	pg/g	BJ			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.92	pg/g	BJ			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.95	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.642	pg/g	BJ			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.88	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.708	pg/g	BJ	U	MBL	
SIB-SC-E17-1-2-07192022	20075001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.716	pg/g	BJK	J	VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.09	pg/g	BJ			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.59	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.59	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.781	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.249	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	Heptachlorodibenzo-P-Dioxin	198	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	HEXACHLORODIBENZOFURAN	41.6	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	28.8	pg/g	JK	J	VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	OCTACHLORODIBENZOFURAN	94.7	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1150	pg/g				✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	PENTACHLORO DIBENZOFURAN	18.6	pg/g	J			✓
SIB-SC-E17-1-2-07192022	20075001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.98	pg/g	JK	J	VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.93	pg/g	JK	J	VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.57	pg/g	JK	J	VJ	
SIB-SC-E17-1-2-07192022	20075001	E1613B	TOTAL HpCDFs	130	pg/g	JK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.1	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	90.2	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.642	pg/g	BJK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.675	pg/g	BJ			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.75	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.602	pg/g	BJ	U	MBL	
SIB-SC-E17-2-3-07192022	20075002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.533	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.61	pg/g	BJ			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.45	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.45	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.765	pg/g	BJ	U	MBL	
SIB-SC-E17-2-3-07192022	20075002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.301	pg/g	JK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	Heptachlorodibenzo-P-Dioxin	194	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	HEXACHLORODIBENZOFURAN	43.7	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	30.6	pg/g	JK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	OCTACHLORODIBENZOFURAN	78.3	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1170	pg/g				✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	PENTACHLORO DIBENZOFURAN	22	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.43	pg/g	JK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.42	pg/g	J			✓
SIB-SC-E17-2-3-07192022	20075002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.67	pg/g	JK	J	VJ	
SIB-SC-E17-2-3-07192022	20075002	E1613B	TOTAL HpCDFs	102	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	243	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.23	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.14	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.03	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.71	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.2	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.18	pg/g	BJ			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.17	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.33	pg/g	BJ	U	MBL	
SIB-SC-E17-3-4-07192022	20075003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.64	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.05	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.01	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.1	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.1	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.64	pg/g	B			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.47	pg/g	B	DNR	EXC	
SIB-SC-E17-3-4-07192022	20075003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.802	pg/g	K	J	VJ	
SIB-SC-E17-3-4-07192022	20075003	E1613B	Heptachlorodibenzo-P-Dioxin	560	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	HEXACHLORODIBENZOFURAN	102	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	96.5	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	OCTACHLORODIBENZOFURAN	153	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E17-3-4-07192022	20075003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3620	pg/g				✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	PENTACHLORO DIBENZOFURAN	68.4	pg/g	J			✓
SIB-SC-E17-3-4-07192022	20075003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.7	pg/g	JK	J	VJ	
SIB-SC-E17-3-4-07192022	20075003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.4	pg/g	JK	J	VJ	
SIB-SC-E17-3-4-07192022	20075003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.07	pg/g	JK	J	VJ	
SIB-SC-E17-3-4-07192022	20075003	E1613B	TOTAL HpCDFs	198	pg/g	J			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.4	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	90.9	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.53	pg/g	J			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.63	pg/g	BJ			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.656	pg/g	BJ			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.58	pg/g	BJ			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.33	pg/g	J			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.398	pg/g	BJ	U	MBL	
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	J			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.488	pg/g	BJ	U	MBL	
SIB-SC-E17-4-5-07192022	20075004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.562	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.26	pg/g	BJ			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.946	pg/g	BJ			✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.83	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.83	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.64	pg/g	BJ	U	MBL	
SIB-SC-E17-4-5-07192022	20075004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.248	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	Heptachlorodibenzo-P-Dioxin	199	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	HEXACHLORODIBENZOFURAN	33.7	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	34.1	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	OCTACHLORODIBENZOFURAN	64	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1110	pg/g				✓
SIB-SC-E17-4-5-07192022	20075004	E1613B	PENTACHLORO DIBENZOFURAN	20.6	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.14	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.3	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.68	pg/g	JK	J	VJ	
SIB-SC-E17-4-5-07192022	20075004	E1613B	TOTAL HpCDFs	77.7	pg/g	JK	J	VJ	
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	259	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1080	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	17.5	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	23.3	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.04	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	45.6	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.24	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	22.1	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.86	pg/g	J			✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.75	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	43.6	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	43.6	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.24	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.8	pg/g		DNR	EXC	
SIB-SC-E17-5-6-07192022	20075005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.17	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	Heptachlorodibenzo-P-Dioxin	2230	pg/g	E	J	ACR	
SIB-SC-E17-5-6-07192022	20075005	E1613B	HEXACHLORODIBENZOFURAN	406	pg/g	J			✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	356	pg/g	J			✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	OCTACHLORODIBENZOFURAN	707	pg/g				✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14600	pg/g	E	J	ACR	
SIB-SC-E17-5-6-07192022	20075005	E1613B	PENTACHLORO DIBENZOFURAN	220	pg/g	J			✓
SIB-SC-E17-5-6-07192022	20075005	E1613B	PENTACHLORODIBENZO-P-DIOXIN	59.8	pg/g	JK	J	VJ	
SIB-SC-E17-5-6-07192022	20075005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	89.9	pg/g	JK	J	VJ	
SIB-SC-E17-5-6-07192022	20075005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	22.3	pg/g	JK	J	VJ	
SIB-SC-E17-5-6-07192022	20075005	E1613B	TOTAL HpCDFs	906	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	380	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	856	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	26.6	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	53.3	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.82	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	20.3	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.1	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	8.21	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19.6	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.96	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	20.2	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	42.5	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	42.5	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.29	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.42	pg/g		DNR	EXC	
SIB-SC-F25-1-2-07202022	20075006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.13	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	Heptachlorodibenzo-P-Dioxin	1870	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	HEXACHLORODIBENZOFURAN	598	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	328	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	OCTACHLORODIBENZOFURAN	1090	pg/g				✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10400	pg/g	E	J	ACR	
SIB-SC-F25-1-2-07202022	20075006	E1613B	PENTACHLORO DIBENZOFURAN	300	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	51.7	pg/g	JK	J	VJ	
SIB-SC-F25-1-2-07202022	20075006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90.4	pg/g	JK	J	VJ	
SIB-SC-F25-1-2-07202022	20075006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	24	pg/g	J			✓
SIB-SC-F25-1-2-07202022	20075006	E1613B	TOTAL HpCDFs	1470	pg/g	J			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	204	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	238	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.89	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	J			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.5	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.6	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.19	pg/g	J			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.98	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.81	pg/g	BJ			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.78	pg/g	J			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.44	pg/g	B			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.58	pg/g	B	DNR	EXC	
SIB-SC-F25-2-3-07202022	20075007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.829	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	Heptachlorodibenzo-P-Dioxin	698	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	HEXACHLORODIBENZOFURAN	278	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07202022	20075007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	160	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07202022	20075007	E1613B	OCTACHLORODIBENZOFURAN	289	pg/g				✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4310	pg/g	E	J	ACR	
SIB-SC-F25-2-3-07202022	20075007	E1613B	PENTACHLORO DIBENZOFURAN	230	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07202022	20075007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07202022	20075007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	35.9	pg/g	J			✓
SIB-SC-F25-2-3-07202022	20075007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.1	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07202022	20075007	E1613B	TOTAL HpCDFs	513	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	343	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	654	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.1	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.79	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.07	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.5	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.6	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.22	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.03	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.15	pg/g	BJ			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.55	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.1	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.1	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.75	pg/g	B	DNR	EXC	
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.72	pg/g	B			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.747	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	Heptachlorodibenzo-P-Dioxin	1430	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	HEXACHLORODIBENZOFURAN	345	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	183	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	OCTACHLORODIBENZOFURAN	1020	pg/g				✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8480	pg/g	E	J	ACR	
SIB-SC-F25-3-4-07202022	20075008	E1613B	PENTACHLORO DIBENZOFURAN	253	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07202022	20075008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	33.9	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	81.9	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	21.2	pg/g	J			✓
SIB-SC-F25-3-4-07202022	20075008	E1613B	TOTAL HpCDFs	1170	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	190	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	85	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.23	pg/g	BJ			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.464	pg/g	BJ	U	MBL	
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.46	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.32	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.943	pg/g	BJ			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.87	pg/g	BJ	U	MBL	
SIB-SC-F25-4-5-07202022	20075009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.667	pg/g	BJ			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.25	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.04	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.16	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.718	pg/g	BJ	U	MBL	
SIB-SC-F25-4-5-07202022	20075009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	Heptachlorodibenzo-P-Dioxin	225	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	HEXACHLORODIBENZOFURAN	95.1	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07202022	20075009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	32.6	pg/g	J			✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	OCTACHLORODIBENZOFURAN	152	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1550	pg/g				✓
SIB-SC-F25-4-5-07202022	20075009	E1613B	PENTACHLORO DIBENZOFURAN	86.5	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07202022	20075009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	8.87	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07202022	20075009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.5	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07202022	20075009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.39	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07202022	20075009	E1613B	TOTAL HpCDFs	324	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	364	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	833	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.8	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.24	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.2	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.42	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.38	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.82	pg/g	BJ	U	MBL	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.19	pg/g	BJK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.31	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.97	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23.9	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.9	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.92	pg/g	BJ			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.287	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	Heptachlorodibenzo-P-Dioxin	1580	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	HEXACHLORODIBENZOFURAN	278	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	124	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	OCTACHLORODIBENZOFURAN	1650	pg/g				✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12100	pg/g	E	J	ACR	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	PENTACHLORO DIBENZOFURAN	80.3	pg/g	J			✓
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.3	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.1	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.15	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07202022	20075010	E1613B	TOTAL HpCDFs	1580	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.9	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	153	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.98	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.23	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.584	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.31	pg/g	BJ			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.87	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.604	pg/g	BJ	U	MBL	
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.44	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.492	pg/g	BJ	U	MBL	
SIB-SC-E20-1-2-07202022	20075011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.446	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.27	pg/g	BJ			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.22	pg/g	BJ			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.42	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.49	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.801	pg/g	BJ	U	MBL	
SIB-SC-E20-1-2-07202022	20075011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	Heptachlorodibenzo-P-Dioxin	317	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	HEXACHLORODIBENZOFURAN	38.5	pg/g	JK	J	VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	30.8	pg/g	JK	J	VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	OCTACHLORODIBENZOFURAN	95.2	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1520	pg/g				✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	PENTACHLORO DIBENZOFURAN	16.1	pg/g	J			✓
SIB-SC-E20-1-2-07202022	20075011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.9	pg/g	JK	J	VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.56	pg/g	JK	J	VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.994	pg/g	BJK	J	VJ	
SIB-SC-E20-1-2-07202022	20075011	E1613B	TOTAL HpCDFs	107	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.9	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	309	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.06	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.48	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.21	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.37	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.45	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.98	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.57	pg/g	BJ			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.8	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.86	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.19	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.1	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.1	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	pg/g	BK	DNR	EXC	
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	pg/g	B			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.718	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	Heptachlorodibenzo-P-Dioxin	709	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	HEXACHLORODIBENZOFURAN	118	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	115	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	OCTACHLORODIBENZOFURAN	238	pg/g				✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4630	pg/g	E	J	ACR	
SIB-SC-E20-2-3-07202022	20075012	E1613B	PENTACHLORO DIBENZOFURAN	75.9	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.8	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31	pg/g	JK	J	VJ	
SIB-SC-E20-2-3-07202022	20075012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.87	pg/g	J			✓
SIB-SC-E20-2-3-07202022	20075012	E1613B	TOTAL HpCDFs	275	pg/g	J			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	16.2	pg/g		J	MSH,MSP	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	73.8	pg/g		J	MSH,MSP	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.89	pg/g	BJ	J	MSP	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.516	pg/g	BJ	U	MBL	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.44	pg/g	BJ			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.02	pg/g	J			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.597	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.28	pg/g	BJ			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.406	pg/g	BJ	U	MBL	
SIB-SC-E20-3-4-07202022	20075013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.514	pg/g	BJ	U	MBL	
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.1	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.912	pg/g	BJ			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3	pg/g				✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.17	pg/g				✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	Heptachlorodibenzo-P-Dioxin	162	pg/g				✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	HEXACHLORODIBENZOFURAN	28.3	pg/g	JK	J	VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	25.3	pg/g	J			✓
SIB-SC-E20-3-4-07202022	20075013	E1613B	OCTACHLORODIBENZOFURAN	48.6	pg/g		J	MSH,MSP	
SIB-SC-E20-3-4-07202022	20075013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	939	pg/g		J	MSP	
SIB-SC-E20-3-4-07202022	20075013	E1613B	PENTACHLORO DIBENZOFURAN	16.6	pg/g	JK	J	VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.37	pg/g	JK	J	VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.77	pg/g	JK	J	VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.16	pg/g	BJK	J	VJ	
SIB-SC-E20-3-4-07202022	20075013	E1613B	TOTAL HpCDFs	61.5	pg/g	J			✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	208	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	969	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	16.5	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	24.7	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.64	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.8	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	39.2	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.29	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.5	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.63	pg/g	J			✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.66	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.1	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.87	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	38.1	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	38.1	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.12	pg/g		DNR	EXC	
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.81	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.77	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	Heptachlorodibenzo-P-Dioxin	2040	pg/g	E	J	ACR	
SIB-SC-E20-4-5-07202022	20075016	E1613B	HEXACHLORODIBENZOFURAN	345	pg/g	J			✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	289	pg/g	J			✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	OCTACHLORODIBENZOFURAN	729	pg/g				✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13000	pg/g	E	J	ACR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-4-5-07202022	20075016	E1613B	PENTACHLORO DIBENZOFURAN	170	pg/g	J			✓
SIB-SC-E20-4-5-07202022	20075016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	47.3	pg/g	JK	J	VJ	
SIB-SC-E20-4-5-07202022	20075016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	71.9	pg/g	JK	J	VJ	
SIB-SC-E20-4-5-07202022	20075016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-E20-4-5-07202022	20075016	E1613B	TOTAL HpCDFs	813	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	52.3	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	126	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.81	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.66	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.841	pg/g	BJ			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.34	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.41	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.63	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.994	pg/g	BJ	U	MBL	
SIB-SC-E20-5-6-07202022	20075017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.602	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.54	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.18	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.12	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.12	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.669	pg/g	BJ	U	MBL	
SIB-SC-E20-5-6-07202022	20075017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.265	pg/g	J			✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	Heptachlorodibenzo-P-Dioxin	263	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	HEXACHLORODIBENZOFURAN	80.6	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	32.7	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	OCTACHLORODIBENZOFURAN	140	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1400	pg/g				✓
SIB-SC-E20-5-6-07202022	20075017	E1613B	PENTACHLORO DIBENZOFURAN	32.1	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.03	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.5	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.91	pg/g	JK	J	VJ	
SIB-SC-E20-5-6-07202022	20075017	E1613B	TOTAL HpCDFs	193	pg/g	JK	J	VJ	
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	85.2	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	155	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.52	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.17	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	BJ			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.61	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.38	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.32	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.74	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.828	pg/g	BJ	U	MBL	
SIB-SC-E20-6-7-07202022	20075018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.826	pg/g	BJ			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.19	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.18	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.01	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.01	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.517	pg/g	BJ	U	MBL	
SIB-SC-E20-6-7-07202022	20075018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.285	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	Heptachlorodibenzo-P-Dioxin	361	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	HEXACHLORODIBENZOFURAN	117	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	53.2	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	OCTACHLORODIBENZOFURAN	179	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2070	pg/g				✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	PENTACHLORO DIBENZOFURAN	68	pg/g	JK	J	VJ	
SIB-SC-E20-6-7-07202022	20075018	E1613B	PENTACHLORODIBENZO-P-DIOXIN	10.7	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19.1	pg/g	J			✓
SIB-SC-E20-6-7-07202022	20075018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.53	pg/g	JK	J	VJ	
SIB-SC-E20-6-7-07202022	20075018	E1613B	TOTAL HpCDFs	273	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	95.4	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	126	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.65	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.79	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.02	pg/g	BJ			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.39	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.96	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.12	pg/g	BJ			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.55	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.911	pg/g	BJ	U	MBL	
SIB-SC-E20-7-8-07202022	20075019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.999	pg/g	BJK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.71	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.61	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.46	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.46	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.702	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.47	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-7-8-07202022	20075019	E1613B	Heptachlorodibenzo-P-Dioxin	314	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	HEXACHLORODIBENZOFURAN	119	pg/g	JK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50.6	pg/g	J			✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	OCTACHLORODIBENZOFURAN	165	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1870	pg/g				✓
SIB-SC-E20-7-8-07202022	20075019	E1613B	PENTACHLORO DIBENZOFURAN	109	pg/g	JK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.1	pg/g	JK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.4	pg/g	JK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.87	pg/g	JK	J	VJ	
SIB-SC-E20-7-8-07202022	20075019	E1613B	TOTAL HpCDFs	260	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	90.7	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	87.5	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.67	pg/g	BJ			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.716	pg/g	BJ			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.05	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.11	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.853	pg/g	BJ			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.891	pg/g	BJ	U	MBL	
SIB-SC-E20-8-9-07202022	20075020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.764	pg/g	BJ			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.4	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.69	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.57	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.57	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.636	pg/g	BJ	U	MBL	
SIB-SC-E20-8-9-07202022	20075020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.309	pg/g	JK	J	VJ	
SIB-SC-E20-8-9-07202022	20075020	E1613B	Heptachlorodibenzo-P-Dioxin	222	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	HEXACHLORODIBENZOFURAN	93.7	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.6	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	OCTACHLORODIBENZOFURAN	118	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1370	pg/g				✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	PENTACHLORO DIBENZOFURAN	84.3	pg/g	J			✓
SIB-SC-E20-8-9-07202022	20075020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.5	pg/g	JK	J	VJ	
SIB-SC-E20-8-9-07202022	20075020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.2	pg/g	JK	J	VJ	
SIB-SC-E20-8-9-07202022	20075020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.55	pg/g	JK	J	VJ	
SIB-SC-E20-8-9-07202022	20075020	E1613B	TOTAL HpCDFs	212	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	159	pg/g		J	MSL,MSH,MSP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	146	pg/g		J	MSL,MSH,MSP	
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.39	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.77	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.956	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.78	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.92	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.18	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.971	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.24	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.06	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.85	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.936	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	Heptachlorodibenzo-P-Dioxin	392	pg/g				✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	HEXACHLORODIBENZOFURAN	154	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	62.3	pg/g	J			✓
SIB-SC-E20-9-10-07202022	20075021	E1613B	OCTACHLORODIBENZOFURAN	192	pg/g		J	MSH,MSP	
SIB-SC-E20-9-10-07202022	20075021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2520	pg/g		J	MSP	
SIB-SC-E20-9-10-07202022	20075021	E1613B	PENTACHLORO DIBENZOFURAN	126	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.4	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	46.1	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.9	pg/g	JK	J	VJ	
SIB-SC-E20-9-10-07202022	20075021	E1613B	TOTAL HpCDFs	361	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	43.7	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	30.1	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.37	pg/g	JK	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.32	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.719	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.61	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.03	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.41	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	Heptachlorodibenzo-P-Dioxin	84	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	HEXACHLORODIBENZOFURAN	38.2	pg/g	JK	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	15.6	pg/g	J			✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	OCTACHLORODIBENZOFURAN	47.7	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	584	pg/g				✓
SIB-SC-E20-10-11-07202022	20075022	E1613B	PENTACHLORO DIBENZOFURAN	33.2	pg/g	JK	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.63	pg/g	JK	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.07	pg/g	JK	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.82	pg/g	K	J	VJ	
SIB-SC-E20-10-11-07202022	20075022	E1613B	TOTAL HpCDFs	93.9	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	22.5	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.4	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.573	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.03	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.35	pg/g	JK	J	VJ	
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.79	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.549	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.354	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.213	pg/g	JK	J	VJ	
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.745	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.35	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.55	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	Heptachlorodibenzo-P-Dioxin	36.2	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	HEXACHLORODIBENZOFURAN	19.4	pg/g	JK	J	VJ	
SIB-SC-E20-11-12-07202022	20075023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	8.44	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	OCTACHLORODIBENZOFURAN	17	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	233	pg/g				✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	PENTACHLORO DIBENZOFURAN	18	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-11-12-07202022	20075023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.02	pg/g	JK	J	VJ	
SIB-SC-E20-11-12-07202022	20075023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.62	pg/g	J			✓
SIB-SC-E20-11-12-07202022	20075023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.31	pg/g	JK	J	VJ	
SIB-SC-E20-11-12-07202022	20075023	E1613B	TOTAL HpCDFs	42.3	pg/g	JK	J	VJ	
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	74.4	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	40	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.2	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.83	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.407	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.98	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.99	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.609	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.08	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.608	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.329	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.2	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.56	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.45	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.58	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.609	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	Heptachlorodibenzo-P-Dioxin	99.1	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	HEXACHLORODIBENZOFURAN	61.8	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19.8	pg/g	J	J	FDPA	
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	OCTACHLORODIBENZOFURAN	63.9	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	643	pg/g				✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	PENTACHLORO DIBENZOFURAN	51.7	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.81	pg/g	JK	J	VJ	
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.3	pg/g	J			✓
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.24	pg/g	JK	J	VJ	
SIB-SC-E20-12-13-07/20/2022	20075024	E1613B	TOTAL HpCDFs	144	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	79	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	51.5	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.58	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.79	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.19	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.16	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-15-07/20/2022	20075025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.99	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.429	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.359	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.31	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.76	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.6	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.81	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-15-07/20/2022	20075025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-15-07/20/2022	20075025	E1613B	Heptachlorodibenzo-P-Dioxin	137	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	HEXACHLORODIBENZOFURAN	62.5	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	30	pg/g	JK	J	VJ,FDPA	
FD-15-07/20/2022	20075025	E1613B	OCTACHLORODIBENZOFURAN	78.4	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	692	pg/g				✓
FD-15-07/20/2022	20075025	E1613B	PENTACHLORO DIBENZOFURAN	53.3	pg/g	JK	J	VJ	
FD-15-07/20/2022	20075025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.23	pg/g	J			✓
FD-15-07/20/2022	20075025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.1	pg/g	JK	J	VJ	
FD-15-07/20/2022	20075025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.07	pg/g	K	J	VJ	
FD-15-07/20/2022	20075025	E1613B	TOTAL HpCDFs	158	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	9.26	pg/g				✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.67	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.467	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.649	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.345	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.252	pg/g	JK	J	VJ	
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.384	pg/g				✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.683	pg/g				✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	Heptachlorodibenzo-P-Dioxin	11.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E20-13-14-07202022	20075026	E1613B	HEXACHLORODIBENZOFURAN	7.57	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.44	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	OCTACHLORODIBENZOFURAN	6.52	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	OCTACHLORODIBENZO-P-DIOXIN	70.6	pg/g				✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	PENTACHLORO DIBENZOFURAN	5.65	pg/g	JK	J	VJ	
SIB-SC-E20-13-14-07202022	20075026	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.31	pg/g	J			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.25	pg/g	JK	J	VJ	
SIB-SC-E20-13-14-07202022	20075026	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-13-14-07202022	20075026	E1613B	TOTAL HpCDFs	16.5	pg/g				✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.517	pg/g	BJ	U	MBL	
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.705	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.181	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.124	pg/g	JK	J	VJ	
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0456	pg/g				✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.275	pg/g				✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	Heptachlorodibenzo-P-Dioxin	2.25	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	HEXACHLORODIBENZOFURAN	0.584	pg/g	JK	J	VJ	
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.409	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	OCTACHLORODIBENZOFURAN	0.515	pg/g	JK	J	VJ	
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.9	pg/g	BJ	U	MBL	
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	PENTACHLORO DIBENZOFURAN	0.624	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.168	pg/g	J			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E20-14-14.8-07/20/2022	20075027	E1613B	TOTAL HpCDFs	0.862	pg/g	BJ			✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	183	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	787	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	23.4	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.89	pg/g	J			✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.7	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.59	pg/g	J			✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.5	pg/g	J			✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.84	pg/g	K	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.55	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.7	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.7	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.15	pg/g		DNR	EXC	
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.25	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.33	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	Heptachlorodibenzo-P-Dioxin	1600	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	HEXACHLORODIBENZOFURAN	301	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	HEXACHLORODIBENZO-P-DIOXIN	235	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	OCTACHLORODIBENZOFURAN	594	pg/g				✓
SIB-SC-E19-1-2-07202022	20075028	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9060	pg/g	E	J	ACR	
SIB-SC-E19-1-2-07202022	20075028	E1613B	PENTACHLORO DIBENZOFURAN	155	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	PENTACHLORODIBENSO-P-DIOXIN	30.6	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	73.4	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.7	pg/g	JK	J	VJ	
SIB-SC-E19-1-2-07202022	20075028	E1613B	TOTAL HpCDFs	665	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	48.1	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	269	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.43	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.06	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.11	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.88	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.51	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.42	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.8	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.7	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.64	pg/g		DNR	EXC	
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.34	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.749	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	Heptachlorodibenzo-P-Dioxin	607	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	HEXACHLORODIBENZOFURAN	85.4	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	HEXACHLORODIBENZO-P-DIOXIN	92.4	pg/g	J			✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	OCTACHLORODIBENZOFURAN	175	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3640	pg/g				✓
SIB-SC-E19-2-3-07202022	20075029	E1613B	PENTACHLORO DIBENZOFURAN	52	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.8	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	22.9	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.79	pg/g	JK	J	VJ	
SIB-SC-E19-2-3-07202022	20075029	E1613B	TOTAL HpCDFs	189	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.5	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	121	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.6	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.733	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.17	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.689	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.02	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.872	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.554	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.45	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.72	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.85	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	pg/g		DNR	EXC	
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.53	pg/g	K	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	Heptachlorodibenzo-P-Dioxin	263	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	HEXACHLORODIBENZOFURAN	47	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	HEXACHLORODIBENZO-P-DIOXIN	34.9	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	OCTACHLORODIBENZOFURAN	110	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E19-3-4-07202022	20075030	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1780	pg/g				✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	PENTACHLORO DIBENZOFURAN	26.2	pg/g	J			✓
SIB-SC-E19-3-4-07202022	20075030	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.29	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.7	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.79	pg/g	JK	J	VJ	
SIB-SC-E19-3-4-07202022	20075030	E1613B	TOTAL HpCDFs	109	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.7	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	107	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.49	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	JK	J	VJ	
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.599	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.87	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.85	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.06	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.493	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.498	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.2	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.06	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.08	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.597	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.313	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	Heptachlorodibenzo-P-Dioxin	242	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	HEXACHLORODIBENZOFURAN	31.7	pg/g	JK	J	VJ	
SIB-SC-E19-4-5-07202022	20075031	E1613B	HEXACHLORODIBENZO-P-DIOXIN	34.1	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	OCTACHLORODIBENZOFURAN	68	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1530	pg/g				✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	PENTACHLORO DIBENZOFURAN	22.5	pg/g	JK	J	VJ	
SIB-SC-E19-4-5-07202022	20075031	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.97	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.54	pg/g	J			✓
SIB-SC-E19-4-5-07202022	20075031	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.31	pg/g	JK	J	VJ	
SIB-SC-E19-4-5-07202022	20075031	E1613B	TOTAL HpCDFs	72.8	pg/g	J			✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	255	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1160	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	19.1	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	26.9	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.98	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	46.2	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.25	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	22.1	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.71	pg/g	J			✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.5	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.26	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	41.7	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	41.7	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.73	pg/g		DNR	EXC	
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.22	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.69	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	Heptachlorodibenzo-P-Dioxin	2320	pg/g	E	J	ACR	
SIB-SC-E19-5-6-07202022	20075032	E1613B	HEXACHLORODIBENZOFURAN	390	pg/g	JK	J	VJ	
SIB-SC-E19-5-6-07202022	20075032	E1613B	HEXACHLORODIBENZO-P-DIOXIN	339	pg/g	JK	J	VJ	
SIB-SC-E19-5-6-07202022	20075032	E1613B	OCTACHLORODIBENZOFURAN	881	pg/g				✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13100	pg/g	E	J	ACR	
SIB-SC-E19-5-6-07202022	20075032	E1613B	PENTACHLORO DIBENZOFURAN	188	pg/g	J			✓
SIB-SC-E19-5-6-07202022	20075032	E1613B	PENTACHLORODIBENZO-P-DIOXIN	44.7	pg/g	JK	J	VJ	
SIB-SC-E19-5-6-07202022	20075032	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	77.9	pg/g	JK	J	VJ	
SIB-SC-E19-5-6-07202022	20075032	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.5	pg/g	JK	J	VJ	
SIB-SC-E19-5-6-07202022	20075032	E1613B	TOTAL HpCDFs	958	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20076

April 26, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	EPA 1668C	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20076	SIB-SC-F25-1-2-07/20/2022	20076001	SE	✓
20076	SIB-SC-F25-2-3-07/20/2022	20076002	SE	✓
20076	SIB-SC-F25-3-4-07/20/2022	20076003	SE	✓
20076	SIB-SC-F25-4-5-07/20/2022	20076004	SE	✓
20076	SIB-SC-F25-5-5.6-07/20/2022	20076005	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20076	5 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results were also verified (10% verification). Laboratory quality control sample results were not included in the EDD.

For "custom field 1", 2,3,3'6-tetrachlorobiphenol (59) should be listed as PCB-59/62/75. A comment was added to "custom field 2" to note this.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	✓	Labeled Compound Recovery
✓	Initial Calibration (ICAL)	1	Certified Reference Material
✓	Calibration Verification (CCAL)	1	Field Duplicates
✓	Continuing Calibration (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Quantitation
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification (Full Validation Only)

✓ *Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values are considered as positive identifications which are "estimated maximum possible concentrations". When these occurred in the method blank, the results were evaluated. When these occurred in the associated samples, EMPC values that were less than the action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

For extraction batch, 50598, the following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SC-F25-3-4-07/20/2022	PCB-1	U-MBL
SIB-SC-F25-5-5.6-07/20/2022	PCB-1	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB03-07202022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20074. EB03-07202022 was free from all contamination.

Matrix Spikes/Matrix Spike Duplicates

No matrix spike/matrix spike duplicate (MS/MSD) analyses were reported with this data set. Accuracy and precision were evaluated using the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses.

Certified Reference Material

No certified reference materials were analyzed.

Field Replicates

No field duplicates were submitted.

Reporting Limits

High concentrations of target analytes necessitated changes to the standard extraction procedure by using smaller sample aliquots. This resulted in practical quantitation limits there were greater than those provided in the QAPP. Although some individual congeners were reported as not

detected at elevated detection limits, this did not impact data usability, as the overall total PCB concentrations were greater than site CULs and RALs.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were estimated (J-VJ).

The following results were flagged "Q" by the laboratory to indicate a shift in the retention times due to matrix interferences. These results were estimated (J-RTW).

Client ID	Analyte
SIB-SC-F25-2-3-07/20/2022	PCB-144
SIB-SC-F25-3-4-07/20/2022	PCB-144
SIB-SC-F25-4-5-07/20/2022	PCB-144
SIB-SC-F25-5-5.6-07/20/2022	PCB-144
	PCB-95

Calculation Verification

Calculation verifications were performed on this SDG. No transcription or calculation errors were noted.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the labeled compound and LCS/LCSD recoveries. Precision was also acceptable as reported by the LCS/LCSD relative percent difference (RPD) values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values represent estimated maximum possible concentrations. Data were also estimated due to retention time outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	2-CHLOROBIPHENYL	80.1	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	4,4'-DICHLOROBIPHENYL	391	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Chlorobiphenyl; 3-	40.1	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Chlorobiphenyl; 4-	71.4	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	DECACHLOROBIPHENYL	4190	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,2'-	369	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,3'-	131	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,4'-	570	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 3,3'-	89.3	pg/g	JK	J	VJ	
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 3,4-	88.3	pg/g	CJK	J	VJ	
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	13700	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4850	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2460	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	15500	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	10700	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	652	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2320	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	4360	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	7800	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	32200	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	275	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	125	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	10800	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	13.8	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	23900	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	108	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	605	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2870	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	583	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	8500	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4700	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	65400	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	22400	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	742	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	2210	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	28200	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3450	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	10500	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	2490	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	1660	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	9370	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	16200	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	1960	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	619	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	54700	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	21.3	pg/g	JK	J	VJ	
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	362	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	43	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	60300	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2890	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	21.6	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	6740	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	5320	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	4410	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-	47.6	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	4540	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	546	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	1530	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	8480	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4640	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3270	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1330	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	9670	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1130	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1780	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	5940	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	403	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	PCB-167	2080	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	PCB-82	5250	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3180	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	12700	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7620	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	34500	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	63500	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	413	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	8220	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1370	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	17000	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	193	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	536	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	45100	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	297	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	29100	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1840	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	13200	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1490	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	409	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3290	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	62200	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	122	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	785	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	388	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	44600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	583	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	31.7	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Polychlorinated Biphenyl (PCB)	1E+06	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	TETRACHLORO 1,1'-BIPHENYL	30000	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4370	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3270	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	358	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	17700	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	413	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1310	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	12300	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1900	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1220	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	34300	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	19.6	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4810	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,3',6-	883	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	1020	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	13300	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,4',5-	548	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	357	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3',4,5-	186	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5780	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	514	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 2,3',5',6-	335	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	690	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	582	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,2',3-	706	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,2',4'-	1480	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,2',5'-	2400	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,2',6'-	237	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3,3'-	5820	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3,4'-	1100	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3,4-	1510	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3',4-	225	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3',5'-	59.6	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3',5-	440	pg/g	C			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,3',6-	198	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,4',5-	3700	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 2,4',6-	650	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 3,3',4-	44.7	pg/g	J			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 3,4,4'-	882	pg/g				✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F25-1-2-07/20/2022	20076001	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	2-CHLOROBIPHENYL	20	pg/g	BJK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	4,4'-DICHLOROBIPHENYL	57.5	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Chlorobiphenyl; 3-	18.2	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Chlorobiphenyl; 4-	22.1	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	DECACHLOROBIPHENYL	4540	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,2'-	48.2	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,3'-	30.5	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,4'-	94.5	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 3,3'-	64.2	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	7640	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2840	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1510	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	10100	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7770	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	411	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1630	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3470	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	6100	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	19900	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	84.4	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	29.5	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	6670	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	11.6	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	18000	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	90.8	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	303	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1560	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	314	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1340	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2330	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	23800	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	8470	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	105	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1900	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	19300	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1170	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6800	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	936	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2950	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	12900	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	112	pg/g	JQ	J	RTW	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	634	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	33100	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	388	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	34200	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2910	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	18.6	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1020	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1110	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2130	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	39.3	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	3330	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	383	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	1180	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4940	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2920	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2010	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	890	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6380	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	755	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1260	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3790	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	238	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	PCB-167	413	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	PCB-82	273	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1330	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1610	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	635	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4850	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	21400	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	34	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3110	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	165	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	9190	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	479	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	16000	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	54.3	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	12200	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1980	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	579	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	96.7	pg/g	CJ			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	32.3	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1080	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	11500	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	129	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	26.3	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	48.5	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	5340	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	495	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	33.7	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Polychlorinated Biphenyl (PCB)	399000	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	TETRACHLORO 1,1'-BIPHENYL	3530	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	657	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	702	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	58.2	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3920	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	95.8	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	61.4	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	183	pg/g	CJ			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3710	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	226	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	168	pg/g	CJ			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5040	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	623	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	164	pg/g	CJK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	65.1	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2370	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	93.6	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	275	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	39.6	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	652	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	340	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	94.6	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	194	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	10.3	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,2',3'-	112	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,2',4'-	276	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,2',5'-	407	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,2',6'-	37.8	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3,3'-	1030	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3,4'-	181	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3,4'-	261	pg/g	C			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3',4'-	60.7	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3',5'-	8.89	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3',5'-	113	pg/g	CJ			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,3',6'-	26	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,4',5'-	587	pg/g				✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 2,4',6'-	87.7	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 3,3',4'-	18.3	pg/g	JK	J	VJ	
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 3,4,4'-	117	pg/g	J			✓
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-2-3-07/20/2022	20076002	E1668	Trichlorobiphenyl; 3,4',5-	26.2	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	2-CHLOROBIPHENYL	17.5	pg/g	BJ	U	MBL	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Chlorobiphenyl; 3-	16.9	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Chlorobiphenyl; 4-	18.9	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	DECACHLOROBIPHENYL	3730	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,2'-	28.7	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,4'-	73.3	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 3,3'-	51.8	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	6960	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2380	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1200	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7430	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4680	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	358	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1080	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1790	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3610	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	16700	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	30.3	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5930	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	10900	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	21.7	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	283	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1370	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	241	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1180	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1180	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	18000	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4980	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	102	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	480	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9520	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	641	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4250	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	184	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	243	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3110	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4670	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	834	pg/g	Q	J	RTW	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	117	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	21200	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	193	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	22200	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	817	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.95	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	928	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	825	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1220	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	13.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2760	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	294	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	985	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2550	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1830	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	732	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	4970	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	567	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	958	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	3310	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	211	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	PCB-167	370	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	PCB-82	264	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	389	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	1110	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	564	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	2970	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	12800	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	26.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	2410	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	224	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4000	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	14.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	267	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	10500	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	48.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	5800	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	757	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	508	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	110	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	33.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	565	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	8320	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	33.6	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	47.1	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	23.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	3450	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	174	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	7.75	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Polychlorinated Biphenyl (PCB)	267000	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	TETRACHLORO 1,1'-BIPHENYL	3330	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	688	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	508	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	118	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	2320	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,5-	66.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	63.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	204	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2380	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	260	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	181	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	3580	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	718	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	120	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	89.8	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1630	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	64.3	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	154	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	27.6	pg/g	JK	J	VJ	
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	632	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	235	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 2,3',5,6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	78.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	164	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,2',3-	125	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,2',4-	270	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,2',5-	465	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,2',6-	31.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3,3'-	1030	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3,4'-	204	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3,4-	345	pg/g	C			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3',4-	44.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3',5'-	16.1	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3',5-	84.9	pg/g	CJ			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,3',6-	26.3	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,4',5-	698	pg/g				✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 2,4',6-	98.9	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 3,3',4-	16.4	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 3,4,4'-	108	pg/g	J			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F25-3-4-07/20/2022	20076003	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	4,4'-DICHLOROBIPHENYL	26.5	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Chlorobiphenyl; 3-	15.9	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Chlorobiphenyl; 4-	14.3	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	DECACHLOROBIPHENYL	4060	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,3'-	24.1	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,4'-	43.3	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 3,3'-	57.3	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	6300	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2120	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1040	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6750	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4250	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	305	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	953	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1690	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3270	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	14600	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	27	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5350	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	9910	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	30.2	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	225	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1180	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	206	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1240	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1090	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	17300	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5090	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	109	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	534	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	8840	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	664	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3940	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	161	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	256	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2930	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4430	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	706	pg/g	Q	J	RTW	✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	171	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	19800	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	197	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	20300	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	838	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	11.7	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	942	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	869	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1250	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	16.5	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2450	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	260	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	935	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3620	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1990	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1450	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	595	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3980	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	456	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	782	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2590	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	167	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	PCB-167	350	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	PCB-82	356	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	437	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1350	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	608	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3550	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	12900	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	26.9	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2430	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	227	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3830	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	26.6	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	292	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7810	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	44.3	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	5650	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	700	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	819	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	133	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	36.4	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	574	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	9150	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	36.7	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	36.8	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	30.6	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4280	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	171	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Polychlorinated Biphenyl (PCB)	244000	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	TETRACHLORO 1,1'-BIPHENYL	2780	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	343	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	292	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1910	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	22.2	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	66.9	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2100	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	86.6	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	91.6	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	3610	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	393	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	68.7	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	49.4	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1130	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	44.7	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	156	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	23.2	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	373	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	210	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	36.5	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,2',3'-	33.3	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,2',4'-	68.5	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,2',5'-	110	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,2',6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3,3'-	315	pg/g	C			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3,4'-	60.3	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3,4'-	123	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3',4'-	32.5	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3',5'-	7.96	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3',5'-	53.4	pg/g	CJ			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,3',6'-	8.2	pg/g	JK	J	VJ	
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,4',5'-	214	pg/g				✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 2,4',6'-	30.3	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 3,3',4'-	18.1	pg/g	J			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 3,4,4'-	43.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F25-4-5-07/20/2022	20076004	E1668	Trichlorobiphenyl; 3,4',5-	15.5	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	2-CHLOROBIPHENYL	6.52	pg/g	BJK	U	MBL	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	4,4'-DICHLOROBIPHENYL	23.7	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Chlorobiphenyl; 3-	5.81	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Chlorobiphenyl; 4-	8.25	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	DECACHLOROBIPHENYL	1830	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,4'-	30.4	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 3,3'-	53.5	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2620	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	866	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	433	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2730	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1640	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	116	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	364	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	591	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1170	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5880	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	15.4	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	21.3	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2050	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3600	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	7.49	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	105	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	519	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	103	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1650	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	739	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	12400	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4230	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	145	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	241	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4320	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	653	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1890	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	428	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	231	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2000	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1920	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	97.5	pg/g	JQ	J	RTW	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	46.1	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10100	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	35.6	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	8.59	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	10600	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	275	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1200	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1020	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,6-	828	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1180	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	118	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	454	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1390	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	733	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	563	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	240	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1580	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	178	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	342	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1030	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	56.4	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	PCB-167	388	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	PCB-82	1090	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	665	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2720	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1500	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-		pg/g	CU			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13400	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	59	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1570	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	252	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3010	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	34.4	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	84.5	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	4550	pg/g	Q	J	RTW	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	48.5	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	5670	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	252	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2840	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	323	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	97.1	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	648	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	14100	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	13.9	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	154	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	77.5	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9650	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	79.6	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Polychlorinated Biphenyl (PCB)	176000	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	TETRACHLORO 1,1'-BIPHENYL	5880	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	425	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	416	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,4-	31	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	2950	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	32.1	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	86.8	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2070	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	172	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	110	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6580	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	673	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	105	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	171	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2190	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	92.2	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	60.2	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3',4,5-	11.1	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	834	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	107	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 2,3',5',6-	68.8	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	67.9	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	116	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,2',3-	42.5	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,2',4-	76.2	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,2',5-	157	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,2',6-	11	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3,3'-	437	pg/g	C			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3,4'-	85.1	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3,4-	125	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3',4-	16.7	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3',5-	38.4	pg/g	CJ			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,3',6-	7.8	pg/g	JK	J	VJ	
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,4',5-	311	pg/g				✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 2,4',6-	43.8	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 3,4,4'-	65.6	pg/g	J			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F25-5-5.6-07/20/2022	20076005	E1668	Trichlorobiphenyl; 3,4',5-	10.4	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20101

February 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20101	SIB-SC-F20-1-2-07212022	20101001	SE	✓
20101	SIB-SC-F20-2-3-07212022	20101002	SE	✓
20101	SIB-SC-F20-3-4-07212022	20101003	SE	✓
20101	SIB-SC-F20-4-5-07212022	20101004	SE	✓
20101	SIB-SC-F20-5-6-07212022	20101005	SE	✓
20101	SIB-SC-F18-1-2-07/21/2022	20101006	SE	✓
20101	FD-16-07/21/2022	20101007	SE	✓
20101	SIB-SC-F18-2-3-07212022	20101008	SE	✓
20101	SIB-SC-F18-3-4-07212022	20101011	SE	✓
20101	SIB-SC-F18-4-5-07212022	20101012	SE	✓
20101	SIB-SC-F18-5-6-07212022	20101013	SE	✓
20101	SIB-SC-B09-0-1-07222022	20101014	SE	✓
20101	SIB-SC-B09-1-2-07222022	20101015	SE	✓
20101	SIB-SC-B09-2-3-07222022	20101016	SE	✓
20101	SIB-SC-B09-3-4-07222022	20101017	SE	✓
20101	SIB-SC-B09-4-5-07222022	20101018	SE	✓
20101	SIB-SC-B09-5-6-07222022	20101019	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20101	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-F20-4-5-07/21/2022	2,3,4,6,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F20-5-6-07/21/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F18-4-5-07/21/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-F18-5-6-07/21/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B09-0-1-07/22/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B09-1-2-07/22/2022	2,3,4,6,7,8-HxCDF	U-MBL
SIB-SC-B09-2-3-07/22/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B09-3-4-07/22/2022	1,2,3,4,7,8-HxCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SC-B09-4-5-07/22/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B09-5-6-07/22/2022	1,2,3,4,7,8-HxCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

MS/MSD analyses were performed using Sample SIB-SC-F18-2-3-07/21/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
2,3,7,8-TCDF	66	64.4	OK	J-MSL
1,2,3,4,6,7,8-HpCDF	-27.2	-51.4	OK	J-MSLX
OCDF	-93.5	-156	36.8	J-MSLX,MSP
1,2,3,4,6,7,8-HpCDD	Parent > 4x Spike		38.6	J-MSP
OCDD	Parent > 4x Spike		57.9	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-F18-1-2-07/21/2022 & FD-16-07/21/2022, was submitted. The following outliers resulted in qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	Difference	J-FDPA
Total TCDF	RPD	J-FDPR
Total TCDD	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	70.8	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	162	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.34	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.841	pg/g	J			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.03	pg/g	J			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.81	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.98	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.933	pg/g	BJ			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.21	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.09	pg/g	J			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.16	pg/g	J			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.72	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.85	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.79	pg/g		DNR	EXC	
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.79	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	Heptachlorodibenzo-P-Dioxin	325	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	HEXACHLORODIBENZOFURAN	85.7	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	36.8	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	OCTACHLORODIBENZOFURAN	210	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1500	pg/g				✓
SIB-SC-F20-1-2-07212022	20101001	E1613B	PENTACHLORO DIBENZOFURAN	23.7	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	11.2	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.8	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.05	pg/g	JK	J	VJ	
SIB-SC-F20-1-2-07212022	20101001	E1613B	TOTAL HpCDFs	256	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	110	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	300	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	24	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.68	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.51	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.75	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.31	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.993	pg/g	JK	J	VJ	
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.65	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.71	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.1	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.1	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.74	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.87	pg/g		DNR	EXC	
SIB-SC-F20-2-3-07212022	20101002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.38	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	Heptachlorodibenzo-P-Dioxin	588	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	HEXACHLORODIBENZOFURAN	200	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	79	pg/g	J			✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	OCTACHLORODIBENZOFURAN	369	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3090	pg/g				✓
SIB-SC-F20-2-3-07212022	20101002	E1613B	PENTACHLORO DIBENZOFURAN	57.4	pg/g	JK	J	VJ	
SIB-SC-F20-2-3-07212022	20101002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	10.2	pg/g	JK	J	VJ	
SIB-SC-F20-2-3-07212022	20101002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.2	pg/g	JK	J	VJ	
SIB-SC-F20-2-3-07212022	20101002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.86	pg/g	JK	J	VJ	
SIB-SC-F20-2-3-07212022	20101002	E1613B	TOTAL HpCDFs	441	pg/g	J			✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	192	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	569	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	20	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	45.6	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.19	pg/g	J			✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.5	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.2	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	7.55	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.07	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.27	pg/g	J			✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.36	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.6	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.6	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.54	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.24	pg/g		DNR	EXC	
SIB-SC-F20-3-4-07212022	20101003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.781	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F20-3-4-07212022	20101003	E1613B	Heptachlorodibenzo-P-Dioxin	1150	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	HEXACHLORODIBENZOFURAN	357	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	159	pg/g	J			✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	OCTACHLORODIBENZOFURAN	564	pg/g				✓
SIB-SC-F20-3-4-07212022	20101003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6840	pg/g	E	J	ACR	
SIB-SC-F20-3-4-07212022	20101003	E1613B	PENTACHLORO DIBENZOFURAN	136	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.3	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	46.6	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.75	pg/g	JK	J	VJ	
SIB-SC-F20-3-4-07212022	20101003	E1613B	TOTAL HpCDFs	710	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.3	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	15.3	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.492	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.834	pg/g	BJ			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.434	pg/g	BJ	U	MBL	
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.667	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.398	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.217	pg/g	BJ	U	MBL	
SIB-SC-F20-4-5-07212022	20101004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.38	pg/g	BJ	U	MBL	
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.327	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.673	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.916	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.293	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	Heptachlorodibenzo-P-Dioxin	32.7	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	HEXACHLORODIBENZOFURAN	7.26	pg/g	JK	J	VJ	
SIB-SC-F20-4-5-07212022	20101004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.36	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	OCTACHLORODIBENZOFURAN	13	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	209	pg/g				✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	PENTACHLORO DIBENZOFURAN	3.93	pg/g	BJ			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.28	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.38	pg/g	JK	J	VJ	
SIB-SC-F20-4-5-07212022	20101004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.342	pg/g	J			✓
SIB-SC-F20-4-5-07212022	20101004	E1613B	TOTAL HpCDFs	14.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.648	pg/g	BJ	U	MBL	
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.303	pg/g	BJ	U	MBL	
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.142	pg/g	BJ	U	MBL	
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.142	pg/g	JK	J	VJ	
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.175	pg/g	BJ	U	MBL	
SIB-SC-F20-5-6-07212022	20101005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0887	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0997	pg/g				✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.303	pg/g				✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	Heptachlorodibenzo-P-Dioxin	4.25	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	HEXACHLORODIBENZOFURAN	0.81	pg/g	BJK	J	VJ	
SIB-SC-F20-5-6-07212022	20101005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	JK	J	VJ	
SIB-SC-F20-5-6-07212022	20101005	E1613B	OCTACHLORODIBENZOFURAN	0.396	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15.1	pg/g				✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	PENTACHLORO DIBENZOFURAN	1.13	pg/g	BJ			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.187	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.38	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.321	pg/g	J			✓
SIB-SC-F20-5-6-07212022	20101005	E1613B	TOTAL HpCDFs	0.829	pg/g	BJ			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.3	pg/g		J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	115	pg/g		J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.31	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.53	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.819	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.76	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.6	pg/g	J	J	FDPA	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.786	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.863	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.586	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.88	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.6	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.19	pg/g				✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.19	pg/g				✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.96	pg/g		DNR	EXC	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.891	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.378	pg/g	J			✓
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	Heptachlorodibenzo-P-Dioxin	254	pg/g		J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	HEXACHLORODIBENZOFURAN	46.8	pg/g	JK	J	FDPR,VJ	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.3	pg/g	J	J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	OCTACHLORODIBENZOFURAN	92.6	pg/g		J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1690	pg/g		J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	PENTACHLORO DIBENZOFURAN	23.7	pg/g	J	J	FDPR	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	7.53	pg/g	JK	J	VJ,FDPA	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.3	pg/g	JK	J	FDPR,VJ	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.76	pg/g	J	J	FDPA	
SIB-SC-F18-1-2-07/21/2022	20101006	E1613B	TOTAL HpCDFs	100	pg/g	JK	J	FDPR,VJ	
FD-16-07/21/2022	20101007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	87.6	pg/g		J	FDPR	
FD-16-07/21/2022	20101007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	429	pg/g		J	FDPR	
FD-16-07/21/2022	20101007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.06	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.17	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.01	pg/g	J			✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.84	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.7	pg/g		J	FDPA	
FD-16-07/21/2022	20101007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.23	pg/g	J			✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.6	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.24	pg/g	J			✓
FD-16-07/21/2022	20101007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.19	pg/g	J			✓
FD-16-07/21/2022	20101007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.2	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.85	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.8	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.8	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.39	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.74	pg/g		DNR	EXC	
FD-16-07/21/2022	20101007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.03	pg/g				✓
FD-16-07/21/2022	20101007	E1613B	Heptachlorodibenzo-P-Dioxin	950	pg/g		J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-16-07/21/2022	20101007	E1613B	HEXACHLORODIBENZOFURAN	155	pg/g	JK	J	FDPR,VJ	
FD-16-07/21/2022	20101007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	152	pg/g	J	J	FDPR	
FD-16-07/21/2022	20101007	E1613B	OCTACHLORODIBENZOFURAN	312	pg/g		J	FDPR	
FD-16-07/21/2022	20101007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6000	pg/g	E	J	ACR,FDPR	
FD-16-07/21/2022	20101007	E1613B	PENTACHLORO DIBENZOFURAN	85	pg/g	J	J	FDPR	
FD-16-07/21/2022	20101007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24	pg/g	JK	J	VJ,FDPA	
FD-16-07/21/2022	20101007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	37.2	pg/g	JK	J	FDPR,VJ	
FD-16-07/21/2022	20101007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.68	pg/g	JK	J	FDPA,VJ	
FD-16-07/21/2022	20101007	E1613B	TOTAL HpCDFs	333	pg/g	JK	J	FDPR,VJ	
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	171	pg/g		J	MSLX	
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	777	pg/g		J	MSP	
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.3	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.39	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.2	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.9	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.84	pg/g	J			✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.43	pg/g	J			✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.81	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.66	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31.6	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31.6	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.16	pg/g		DNR	EXC	
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.58	pg/g		J	MSL	
SIB-SC-F18-2-3-07212022	20101008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.7	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	Heptachlorodibenzo-P-Dioxin	1640	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	HEXACHLORODIBENZOFURAN	269	pg/g	JK	J	VJ	
SIB-SC-F18-2-3-07212022	20101008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	245	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	OCTACHLORODIBENZOFURAN	587	pg/g		J	MSLX,MSP	
SIB-SC-F18-2-3-07212022	20101008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10400	pg/g	E	J	ACR,MSP	
SIB-SC-F18-2-3-07212022	20101008	E1613B	PENTACHLORO DIBENZOFURAN	161	pg/g	JK	J	VJ	
SIB-SC-F18-2-3-07212022	20101008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.4	pg/g	J			✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	67.4	pg/g				✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.9	pg/g	J			✓
SIB-SC-F18-2-3-07212022	20101008	E1613B	TOTAL HpCDFs	602	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	33.8	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	172	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.65	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.83	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.1	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.89	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.873	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.06	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.78	pg/g	BJ			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.756	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.26	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.72	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.72	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.02	pg/g		DNR	EXC	
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.07	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.467	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	Heptachlorodibenzo-P-Dioxin	383	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	HEXACHLORODIBENZOFURAN	58.1	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	56.9	pg/g	J			✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	OCTACHLORODIBENZOFURAN	112	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2320	pg/g				✓
SIB-SC-F18-3-4-07212022	20101011	E1613B	PENTACHLORO DIBENZOFURAN	32.7	pg/g	JK	J	VJ	
SIB-SC-F18-3-4-07212022	20101011	E1613B	PENTACHLORODIBENZO-P-DIOXIN	9.86	pg/g	JK	J	VJ	
SIB-SC-F18-3-4-07212022	20101011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.8	pg/g	JK	J	VJ	
SIB-SC-F18-3-4-07212022	20101011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.08	pg/g	JK	J	VJ	
SIB-SC-F18-3-4-07212022	20101011	E1613B	TOTAL HpCDFs	125	pg/g	JK	J	VJ	
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.5	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	114	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.73	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.65	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.623	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.46	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.87	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.579	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.62	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.484	pg/g	BJ	U	MBL	
SIB-SC-F18-4-5-07212022	20101012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.525	pg/g	JK	J	VJ	
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.34	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.04	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.31	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.31	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.799	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.353	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	Heptachlorodibenzo-P-Dioxin	259	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	HEXACHLORODIBENZOFURAN	36.8	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.4	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	OCTACHLORODIBENZOFURAN	86.9	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1280	pg/g				✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	PENTACHLORO DIBENZOFURAN	16.8	pg/g	JK	J	VJ	
SIB-SC-F18-4-5-07212022	20101012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.34	pg/g	JK	J	VJ	
SIB-SC-F18-4-5-07212022	20101012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.67	pg/g	JK	J	VJ	
SIB-SC-F18-4-5-07212022	20101012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.36	pg/g	J			✓
SIB-SC-F18-4-5-07212022	20101012	E1613B	TOTAL HpCDFs	94.1	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	36.7	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	109	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.25	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.17	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.581	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.69	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.54	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.661	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.36	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.478	pg/g	BJ	U	MBL	
SIB-SC-F18-5-6-07212022	20101013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.467	pg/g	JK	J	VJ	
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.23	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.36	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.745	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	Heptachlorodibenzo-P-Dioxin	227	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	HEXACHLORODIBENZOFURAN	54.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F18-5-6-07212022	20101013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	29.4	pg/g	J			✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	OCTACHLORODIBENZOFURAN	160	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1340	pg/g				✓
SIB-SC-F18-5-6-07212022	20101013	E1613B	PENTACHLORO DIBENZOFURAN	18.3	pg/g	JK	J	VJ	
SIB-SC-F18-5-6-07212022	20101013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.88	pg/g	JK	J	VJ	
SIB-SC-F18-5-6-07212022	20101013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.26	pg/g	JK	J	VJ	
SIB-SC-F18-5-6-07212022	20101013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g	JK	J	VJ	
SIB-SC-F18-5-6-07212022	20101013	E1613B	TOTAL HpCDFs	163	pg/g	J			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.775	pg/g	BJ	U	MBL	
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.78	pg/g	J			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.122	pg/g	BJ	U	MBL	
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0941	pg/g	BJ	U	MBL	
SIB-SC-B09-0-1-07222022	20101014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.105	pg/g	J			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.12	pg/g				✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.326	pg/g				✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.203	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	Heptachlorodibenzo-P-Dioxin	7.81	pg/g	J			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	HEXACHLORODIBENZOFURAN	1.29	pg/g	BJK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.5	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	OCTACHLORODIBENZOFURAN	0.967	pg/g	J			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	24.6	pg/g				✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	PENTACHLORO DIBENZOFURAN	0.965	pg/g	BJK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.203	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.203	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07222022	20101014	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-0-1-07222022	20101014	E1613B	TOTAL HpCDFs	1.87	pg/g	BJ			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.72	pg/g	BJ			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.51	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.206	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.181	pg/g	BJ	U	MBL	
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.102	pg/g				✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.486	pg/g				✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	Heptachlorodibenzo-P-Dioxin	7.9	pg/g	J			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	HEXACHLORODIBENZOFURAN	2.18	pg/g	BJ			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.42	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07222022	20101015	E1613B	OCTACHLORODIBENZOFURAN	2.38	pg/g	J			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	34.5	pg/g				✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	PENTACHLORO DIBENZOFURAN	1.32	pg/g	BJ			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-1-2-07222022	20101015	E1613B	TOTAL HpCDFs	4.19	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.29	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	17.2	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.445	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.496	pg/g	BJ	U	MBL	
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.759	pg/g	BJ			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.744	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.432	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.251	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.182	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.572	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.67	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.05	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.18	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.334	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	Heptachlorodibenzo-P-Dioxin	40	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	HEXACHLORODIBENZOFURAN	11.6	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.23	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	OCTACHLORODIBENZOFURAN	12.3	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	200	pg/g				✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	PENTACHLORO DIBENZOFURAN	11.1	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.95	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.74	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07222022	20101016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.597	pg/g	J			✓
SIB-SC-B09-2-3-07222022	20101016	E1613B	TOTAL HpCDFs	20.7	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.79	pg/g	BJ			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.8	pg/g				✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.151	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.2	pg/g	BJ	U	MBL	
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.28	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.248	pg/g	J			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.187	pg/g	BJ	U	MBL	
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.192	pg/g				✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.443	pg/g				✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	Heptachlorodibenzo-P-Dioxin	13.2	pg/g				✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	HEXACHLORODIBENZOFURAN	3.64	pg/g	BJK	J	VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	OCTACHLORODIBENZOFURAN	4.5	pg/g	J			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	73.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07222022	20101017	E1613B	PENTACHLORO DIBENZOFURAN	2.69	pg/g	BJK	J	VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.408	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07222022	20101017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.715	pg/g	J			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.345	pg/g	J			✓
SIB-SC-B09-3-4-07222022	20101017	E1613B	TOTAL HpCDFs	6.95	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.531	pg/g	BJ	U	MBL	
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.33	pg/g	BJ			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.14	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.102	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.1	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0505	pg/g				✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.261	pg/g				✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	Heptachlorodibenzo-P-Dioxin	3.52	pg/g	J			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	HEXACHLORODIBENZOFURAN	0.704	pg/g	BJK	J	VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.982	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	OCTACHLORODIBENZOFURAN	0.742	pg/g	J			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14.8	pg/g				✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	PENTACHLORO DIBENZOFURAN	0.551	pg/g	BJK	J	VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.118	pg/g	J			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B09-4-5-07222022	20101018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.26	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07222022	20101018	E1613B	TOTAL HpCDFs	1.24	pg/g	BJ			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.263	pg/g	BJ	U	MBL	
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.867	pg/g	BJ			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0826	pg/g	BJ	U	MBL	
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.039	pg/g				✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.225	pg/g				✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.167	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07222022	20101019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	Heptachlorodibenzo-P-Dioxin	2.19	pg/g	J			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	HEXACHLORODIBENZOFURAN	0.327	pg/g	BJ			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.683	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07222022	20101019	E1613B	OCTACHLORODIBENZOFURAN	0.452	pg/g	J			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.76	pg/g	J			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	PENTACHLORO DIBENZOFURAN	0.176	pg/g	BJ			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B09-5-6-07222022	20101019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.167	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07222022	20101019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.25	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07222022	20101019	E1613B	TOTAL HpCDFs	0.529	pg/g	BJ			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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Prepared by:

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SDG: 20102

February 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20102	SIB-SC-C25-0-1-07232022	20102001	SE	✓
20102	SIB-SC-C25-1-2-07/23/2022	20102004	SE	✓
20102	FD-10-07/23/2022	20102005	SE	✓
20102	SIB-SC-C25-2-3-07232022	20102006	SE	✓
20102	SIB-SC-C25-3-4-07232022	20102007	SE	✓
20102	SIB-SC-C25-4-5-07232022	20102008	SE	✓
20102	SIB-SC-C25-5-6-07232022	20102009	SE	✓
20102	SIB-SC-E23-1-2-07232022	20102010	SE	✓
20102	SIB-SC-E23-2-3-07232022	20102011	SE	✓
20102	SIB-SC-E24-1-2-7/23/2022	20102012	SE	✓
20102	SIB-SC-E24-2-3-07232022	20102013	SE	✓
20102	SIB-SC-E24-3-4-07232022	20102014	SE	✓
20102	SIB-SC-E24-4-5-07232022	20102015	SE	✓
20102	SIB-SC-E24-5-6-07232022	20102016	SE	✓
20102	SIB-SC-E25-1-2-07232022	20102017	SE	✓
20102	SIB-SC-E25-2-3-07232022	20102018	SE	✓
20102	SIB-SC-E25-3-4-07232022	20102019	SE	✓
20102	SIB-SC-E25-4-5-07232022	20102020	SE	✓
20102	SIB-SC-E25-5-6-07232022	20102021	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20102	19 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 50929: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-C25-2-3-07/23/2022	1,2,3,7,8-PECDF	U-MBL
	1,2,3,7,8,9-HXCDF	U-MBL
SIB-SC-E24-3-4-07/23/2022	1,2,3,7,8-PECDF	U-MBL
SIB-SC-E24-4-5-07/23/2022	1,2,3,7,8-PECDF	U-MBL
	1,2,3,6,7,8-HXCDF	U-MBL
	1,2,3,7,8,9-HXCDF	U-MBL
	2,3,4,6,7,8-HXCDF	U-MBL
SIB-SC-E25-2-3-07/23/2022	1,2,3,7,8-PECDF	U-MBL
	1,2,3,7,8,9-HXCDF	U-MBL
SIB-SC-E25-5-6-07/23/2022	1,2,3,7,8-PECDF	U-MBL
	1,2,3,7,8,9-HXCDF	U-MBL

Extraction Batch 51081: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E24-3-4-07/23/2022	1,2,3,7,8-PECDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

For Extraction Batch 50929, the MS/MSD analyses were performed using Sample SIB-SC-C25-0-1-07/23/2022.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	OK	-163	51.0	J-MSLX,MSP
1,2,3,4,6,7,8-HpCDF	OK	-957	57.2	J-MSLX,MSP
OCDD	OK	34.7	35.4	J-MSL,MSP
OCDF	OK	5.53	39.1	J-MSLX,MSP

For Extraction Batch 51078, results for Batch MS/MSD analyses were not submitted in this SDG. No action was taken since the parent sample was from another SDG. Accuracy and precision were evaluated using the LCS/LCSD.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-C25-1-2-07/23/2022 & FD-10-07/23/2022, was submitted. The following outliers resulted in qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
2,3,7,8-TCDF	Difference	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR

ANALYTE	OUTLIER TYPE	QUALIFIER
Total PeCDF	RPD	J-FDPR
Total PeCDD	Difference	J-FDPA
Total TCDF	RPD	J-FDPR
Total TCDD	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate RPDs.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	131	pg/g		J	MSL,MSP	
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	578	pg/g		J	MSLX,MSP	
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.65	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	18.7	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.75	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.04	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.3	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.71	pg/g	J			✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.18	pg/g	BJ			✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.74	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.54	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.99	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,7,8-TCDD (TEQ), WHO TEF 2005 (ND=0)	21.3	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.3	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.77	pg/g		DNR	EXC	
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.07	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.621	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	Heptachlorodibenzo-P-Dioxin	1300	pg/g				✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	HEXACHLORODIBENZOFURAN	201	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07232022	20102001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	146	pg/g	J			✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	OCTACHLORODIBENZOFURAN	453	pg/g		J	MSLX,MSP	
SIB-SC-C25-0-1-07232022	20102001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4740	pg/g	E	J	ACR,MSLX,MSP	
SIB-SC-C25-0-1-07232022	20102001	E1613B	PENTACHLORO DIBENZOFURAN	67.8	pg/g	J			✓
SIB-SC-C25-0-1-07232022	20102001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	19.4	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07232022	20102001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.3	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07232022	20102001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.1	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07232022	20102001	E1613B	TOTAL HpCDFs	489	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	143	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	701	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.73	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17.9	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.77	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.55	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	31.8	pg/g		J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.42	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.64	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.27	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.52	pg/g		J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.16	pg/g		DNR	EXC	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.21	pg/g	K	j	VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	Heptachlorodibenzo-P-Dioxin	1420	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	HEXACHLORODIBENZOFURAN	239	pg/g	JK	J	FDPR,VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	232	pg/g	J	J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	OCTACHLORODIBENZOFURAN	465	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6900	pg/g	E	J	ACR,FDPR	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	PENTACHLORO DIBENZOFURAN	120	pg/g	JK	J	FDPR,VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	34.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.2	pg/g	JK	J	FDPR,VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.8	pg/g	JK	J	FDPA,VJ	
SIB-SC-C25-1-2-07/23/2022	20102004	E1613B	TOTAL HpCDFs	496	pg/g	JK	J	FDPR,VJ	
FD-10-07/23/2022	20102005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	59.6	pg/g		J	FDPR	
FD-10-07/23/2022	20102005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	310	pg/g		J	FDPR	
FD-10-07/23/2022	20102005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.48	pg/g	J			✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.1	pg/g				✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.07	pg/g	J			✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.87	pg/g	J			✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g		J	FDPA	
FD-10-07/23/2022	20102005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.82	pg/g	BJ			✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.86	pg/g				✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.68	pg/g	BJ			✓
FD-10-07/23/2022	20102005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.03	pg/g	JK	J	VJ	
FD-10-07/23/2022	20102005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.7	pg/g	J			✓
FD-10-07/23/2022	20102005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.82	pg/g	J			✓
FD-10-07/23/2022	20102005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13	pg/g				✓
FD-10-07/23/2022	20102005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13	pg/g				✓
FD-10-07/23/2022	20102005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.58	pg/g		DNR	EXC	
FD-10-07/23/2022	20102005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3	pg/g		J	FDPA	
FD-10-07/23/2022	20102005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.618	pg/g				✓
FD-10-07/23/2022	20102005	E1613B	Heptachlorodibenzo-P-Dioxin	679	pg/g		J	FDPR	
FD-10-07/23/2022	20102005	E1613B	HEXACHLORODIBENZOFURAN	106	pg/g	J	J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-10-07/23/2022	20102005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	103	pg/g	J	J	FDPR	
FD-10-07/23/2022	20102005	E1613B	OCTACHLORODIBENZOFURAN	207	pg/g		J	FDPR	
FD-10-07/23/2022	20102005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3120	pg/g		J	FDPR	
FD-10-07/23/2022	20102005	E1613B	PENTACHLORO DIBENZOFURAN	55.7	pg/g	JK	J	FDPR,VJ	
FD-10-07/23/2022	20102005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.7	pg/g	JK	J	FDPA,VJ	
FD-10-07/23/2022	20102005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.8	pg/g	JK	J	FDPR,VJ	
FD-10-07/23/2022	20102005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.28	pg/g	JK	J	FDPA,VJ	
FD-10-07/23/2022	20102005	E1613B	TOTAL HpCDFs	227	pg/g	JK	J	FDPR,VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	34.4	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	129	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.97	pg/g	BJ			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.48	pg/g	BJ			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.77	pg/g	BJ			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.34	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.896	pg/g	BJ	U	MBL	
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.16	pg/g	J			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.976	pg/g	BJ	U	MBL	
SIB-SC-C25-2-3-07232022	20102006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.942	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.73	pg/g	BJ			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.02	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.02	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	pg/g		DNR	EXC	
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.76	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.401	pg/g	J			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	Heptachlorodibenzo-P-Dioxin	267	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	HEXACHLORODIBENZOFURAN	46.9	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	46	pg/g	J			✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	OCTACHLORODIBENZOFURAN	82.8	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1360	pg/g				✓
SIB-SC-C25-2-3-07232022	20102006	E1613B	PENTACHLORO DIBENZOFURAN	24.6	pg/g	BJK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.86	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.5	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.46	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07232022	20102006	E1613B	TOTAL HpCDFs	108	pg/g	J			✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	182	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	789	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.2	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	23.9	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.01	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32.5	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.28	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.3	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	7.2	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.69	pg/g	K	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.6	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	34.4	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	34.4	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.94	pg/g		DNR	EXC	
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.12	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.59	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	Heptachlorodibenzo-P-Dioxin	1570	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	HEXACHLORODIBENZOFURAN	304	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	253	pg/g	J			✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	OCTACHLORODIBENZOFURAN	546	pg/g				✓
SIB-SC-C25-3-4-07232022	20102007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8710	pg/g	E	J	ACR	
SIB-SC-C25-3-4-07232022	20102007	E1613B	PENTACHLORO DIBENZOFURAN	184	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	46.9	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90.4	pg/g	K	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.6	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07232022	20102007	E1613B	TOTAL HpCDFs	621	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	153	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	748	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.4	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.96	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.8	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.9	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.81	pg/g	J			✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.8	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.42	pg/g	J			✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.29	pg/g	K	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.44	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	32	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	32	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.56	pg/g		DNR	EXC	
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.9	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.93	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	Heptachlorodibenzo-P-Dioxin	1640	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	HEXACHLORODIBENZOFURAN	259	pg/g	J			✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	272	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	OCTACHLORODIBENZOFURAN	505	pg/g				✓
SIB-SC-C25-4-5-07232022	20102008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10200	pg/g	E	J	ACR	
SIB-SC-C25-4-5-07232022	20102008	E1613B	PENTACHLORO DIBENZOFURAN	149	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	48.6	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	75	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.8	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07232022	20102008	E1613B	TOTAL HpCDFs	549	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	128	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	698	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.37	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.47	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.21	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.93	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.77	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.13	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.52	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.59	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.5	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.5	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.17	pg/g		DNR	EXC	
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.32	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.6	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	Heptachlorodibenzo-P-Dioxin	1540	pg/g				✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	HEXACHLORODIBENZOFURAN	217	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	267	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	OCTACHLORODIBENZOFURAN	440	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-5-6-07232022	20102009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9900	pg/g	E	J	ACR	
SIB-SC-C25-5-6-07232022	20102009	E1613B	PENTACHLORO DIBENZOFURAN	130	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07232022	20102009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.3	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	65.1	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07232022	20102009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.7	pg/g	J			✓
SIB-SC-C25-5-6-07232022	20102009	E1613B	TOTAL HpCDFs	473	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	288	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	550	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	19.5	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.95	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.14	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.6	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.34	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.8	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.58	pg/g	BJ			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.03	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.65	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.7	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.7	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.53	pg/g		DNR	EXC	
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.78	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.439	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	Heptachlorodibenzo-P-Dioxin	975	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	HEXACHLORODIBENZOFURAN	392	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07232022	20102010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	133	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	OCTACHLORODIBENZOFURAN	655	pg/g				✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4240	pg/g	E	J	ACR	
SIB-SC-E23-1-2-07232022	20102010	E1613B	PENTACHLORO DIBENZOFURAN	127	pg/g	J			✓
SIB-SC-E23-1-2-07232022	20102010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.3	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07232022	20102010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.3	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07232022	20102010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.95	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07232022	20102010	E1613B	TOTAL HpCDFs	863	pg/g	J			✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	296	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	915	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	22.9	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	45.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.75	pg/g	J			✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.9	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	33.7	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	7.32	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.3	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.61	pg/g	J			✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.87	pg/g	K	J	VJ	
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	39.6	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	39.6	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.56	pg/g		DNR	EXC	
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.53	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.36	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	Heptachlorodibenzo-P-Dioxin	1820	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	HEXACHLORODIBENZOFURAN	435	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07232022	20102011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	250	pg/g	J			✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	OCTACHLORODIBENZOFURAN	1120	pg/g				✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9990	pg/g	E	J	ACR	
SIB-SC-E23-2-3-07232022	20102011	E1613B	PENTACHLORO DIBENZOFURAN	182	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07232022	20102011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	70	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07232022	20102011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	74.5	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07232022	20102011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.1	pg/g	J			✓
SIB-SC-E23-2-3-07232022	20102011	E1613B	TOTAL HpCDFs	1150	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	127	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	512	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.63	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	21.2	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.88	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.55	pg/g	JK	J	VJ	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.1	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.46	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.49	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.38	pg/g	BJ			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.07	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.96	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.88	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	18.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	18.8	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.42	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	pg/g		DNR	EXC	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.548	pg/g	JK	J	VJ	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	Heptachlorodibenzo-P-Dioxin	1060	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	HEXACHLORODIBENZOFURAN	199	pg/g	JK	J	VJ	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	112	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	OCTACHLORODIBENZOFURAN	525	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4410	pg/g				✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	PENTACHLORO DIBENZOFURAN	54.4	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	PENTACHLORODIBENZO-P-DIOXIN	13.1	pg/g	J			✓
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.92	pg/g	JK	J	VJ	
SIB-SC-E24-1-2-7/23/2022	20102012	E1613B	TOTAL HpCDFs	531	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	136	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	564	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.74	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	23	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.41	pg/g	J			✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.14	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.7	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.75	pg/g	J			✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.25	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.59	pg/g	BJ			✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.47	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.08	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.46	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.1	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.1	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.18	pg/g		DNR	EXC	
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.573	pg/g	K	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	Heptachlorodibenzo-P-Dioxin	1140	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	HEXACHLORODIBENZOFURAN	221	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	133	pg/g	J			✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	OCTACHLORODIBENZOFURAN	519	pg/g				✓
SIB-SC-E24-2-3-07232022	20102013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4650	pg/g	E	J	ACR	
SIB-SC-E24-2-3-07232022	20102013	E1613B	PENTACHLORO DIBENZOFURAN	62.7	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E24-2-3-07232022	20102013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.1	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.5	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.39	pg/g	JK	J	VJ	
SIB-SC-E24-2-3-07232022	20102013	E1613B	TOTAL HpCDFs	541	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	69.9	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	275	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.01	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.42	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.57	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.66	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.98	pg/g	BJ			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.72	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.1	pg/g	BJ	U	MBL	
SIB-SC-E24-3-4-07232022	20102014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.26	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.39	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.5	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	pg/g		DNR	EXC	
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	Heptachlorodibenzo-P-Dioxin	554	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	HEXACHLORODIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	68.9	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	OCTACHLORODIBENZOFURAN	258	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2350	pg/g				✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	PENTACHLORO DIBENZOFURAN	35.6	pg/g	J			✓
SIB-SC-E24-3-4-07232022	20102014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.42	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.9	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.85	pg/g	JK	J	VJ	
SIB-SC-E24-3-4-07232022	20102014	E1613B	TOTAL HpCDFs	283	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.1	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	82.4	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.67	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.15	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.89	pg/g	J			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.53	pg/g	J			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.669	pg/g	BJ	U	MBL	
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.4	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.357	pg/g	BJ	U	MBL	
SIB-SC-E24-4-5-07232022	20102015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.513	pg/g	J			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.954	pg/g	BJ	U	MBL	
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.94	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.2	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.37	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.641	pg/g	J			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	Heptachlorodibenzo-P-Dioxin	172	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	HEXACHLORODIBENZOFURAN	30.3	pg/g	JK	J	VJ	
SIB-SC-E24-4-5-07232022	20102015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19.6	pg/g	JK	J	VJ	
SIB-SC-E24-4-5-07232022	20102015	E1613B	OCTACHLORODIBENZOFURAN	69.7	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	734	pg/g				✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	PENTACHLORO DIBENZOFURAN	8.96	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.52	pg/g	J			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.6	pg/g	BJ			✓
SIB-SC-E24-4-5-07232022	20102015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.18	pg/g	K	J	VJ	
SIB-SC-E24-4-5-07232022	20102015	E1613B	TOTAL HpCDFs	73.6	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	105	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	414	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.76	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.13	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.61	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.82	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.59	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.48	pg/g	BJ			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.95	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.59	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.61	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.2	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.2	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.47	pg/g		DNR	EXC	
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.91	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E24-5-6-07232022	20102016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.684	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	Heptachlorodibenzo-P-Dioxin	828	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	HEXACHLORODIBENZOFURAN	163	pg/g	JK	J	VJ	
SIB-SC-E24-5-6-07232022	20102016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	107	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	OCTACHLORODIBENZOFURAN	387	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3830	pg/g				✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	PENTACHLORO DIBENZOFURAN	57.9	pg/g	J			✓
SIB-SC-E24-5-6-07232022	20102016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.8	pg/g	JK	J	VJ	
SIB-SC-E24-5-6-07232022	20102016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.1	pg/g	JK	J	VJ	
SIB-SC-E24-5-6-07232022	20102016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.75	pg/g	JK	J	VJ	
SIB-SC-E24-5-6-07232022	20102016	E1613B	TOTAL HpCDFs	419	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.9	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	293	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.3	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.4	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.14	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.37	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.1	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.5	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.46	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.65	pg/g	BJ	U	MBL	
SIB-SC-E25-1-2-07232022	20102017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.64	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.82	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.5	pg/g	J			✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.2	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.2	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.97	pg/g		DNR	EXC	
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.44	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.68	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	Heptachlorodibenzo-P-Dioxin	629	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	HEXACHLORODIBENZOFURAN	104	pg/g	JK	J	VJ	
SIB-SC-E25-1-2-07232022	20102017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	94.8	pg/g	JK	J	VJ	
SIB-SC-E25-1-2-07232022	20102017	E1613B	OCTACHLORODIBENZOFURAN	246	pg/g				✓
SIB-SC-E25-1-2-07232022	20102017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4030	pg/g	E	J	ACR	
SIB-SC-E25-1-2-07232022	20102017	E1613B	PENTACHLORO DIBENZOFURAN	60	pg/g	JK	J	VJ	
SIB-SC-E25-1-2-07232022	20102017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.5	pg/g	JK	J	VJ	
SIB-SC-E25-1-2-07232022	20102017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.9	pg/g	JK	J	VJ	
SIB-SC-E25-1-2-07232022	20102017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.68	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E25-1-2-07232022	20102017	E1613B	TOTAL HpCDFs	237	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.9	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	82.3	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.1	pg/g	BJ			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.84	pg/g	BJ			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.668	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.69	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.66	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.967	pg/g	BJ	U	MBL	
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.74	pg/g	BJK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.907	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.773	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.65	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.97	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.18	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.4	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.967	pg/g	J			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	Heptachlorodibenzo-P-Dioxin	201	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	HEXACHLORODIBENZOFURAN	59.8	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	30.4	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	OCTACHLORODIBENZOFURAN	87.1	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1290	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	PENTACHLORO DIBENZOFURAN	51.9	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	PENTACHLORODIBENZO-P-DIOXIN	7.07	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-E25-2-3-07232022	20102018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.63	pg/g				✓
SIB-SC-E25-2-3-07232022	20102018	E1613B	TOTAL HpCDFs	119	pg/g	JK	J	VJ	
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	290	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	271	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.26	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.24	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.93	pg/g	J			✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	29.3	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.76	pg/g	J			✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.94	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.41	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E25-3-4-07232022	20102019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.08	pg/g	JK	J	VJ	
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	15.3	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.6	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.6	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.79	pg/g		DNR	EXC	
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.58	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.02	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	Heptachlorodibenzo-P-Dioxin	737	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	HEXACHLORODIBENZOFURAN	325	pg/g	JK	J	VJ	
SIB-SC-E25-3-4-07232022	20102019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	117	pg/g	J			✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	OCTACHLORODIBENZOFURAN	396	pg/g				✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4780	pg/g	E	J	ACR	
SIB-SC-E25-3-4-07232022	20102019	E1613B	PENTACHLORO DIBENZOFURAN	279	pg/g	J			✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	PENTACHLORODIBENZO-P-DIOXIN	29.1	pg/g	JK	J	VJ	
SIB-SC-E25-3-4-07232022	20102019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	87	pg/g	JK	J	VJ	
SIB-SC-E25-3-4-07232022	20102019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.8	pg/g	J			✓
SIB-SC-E25-3-4-07232022	20102019	E1613B	TOTAL HpCDFs	668	pg/g	J			✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	374	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	486	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.5	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.81	pg/g	J			✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	30	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.6	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.08	pg/g	J			✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.61	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.59	pg/g	K	J	VJ	
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	16	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.3	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.3	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.12	pg/g		DNR	EXC	
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.14	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.88	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	Heptachlorodibenzo-P-Dioxin	1150	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	HEXACHLORODIBENZOFURAN	395	pg/g	JK	J	VJ	

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E25-4-5-07232022	20102020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	154	pg/g	J			✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	OCTACHLORODIBENZOFURAN	858	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7110	pg/g	E	J	ACR	
SIB-SC-E25-4-5-07232022	20102020	E1613B	PENTACHLORO DIBENZOFURAN	300	pg/g	JK	J	VJ	
SIB-SC-E25-4-5-07232022	20102020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	35.8	pg/g	JK	J	VJ	
SIB-SC-E25-4-5-07232022	20102020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	89.7	pg/g				✓
SIB-SC-E25-4-5-07232022	20102020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.4	pg/g	JK	J	VJ	
SIB-SC-E25-4-5-07232022	20102020	E1613B	TOTAL HpCDFs	1030	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	91.5	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	77.3	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.45	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.86	pg/g	BJ			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.771	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.65	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.58	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.91	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.91	pg/g	BJ			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.12	pg/g	BJ	U	MBL	
SIB-SC-E25-5-6-07232022	20102021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.747	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.75	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.31	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.58	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.76	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	pg/g		DNR	EXC	
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	Heptachlorodibenzo-P-Dioxin	214	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	HEXACHLORODIBENZOFURAN	97.9	pg/g	JK	J	VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.2	pg/g	JK	J	VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	OCTACHLORODIBENZOFURAN	106	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1350	pg/g				✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	PENTACHLORO DIBENZOFURAN	87	pg/g	JK	J	VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.67	pg/g	JK	J	VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25	pg/g	J			✓
SIB-SC-E25-5-6-07232022	20102021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.96	pg/g	JK	J	VJ	
SIB-SC-E25-5-6-07232022	20102021	E1613B	TOTAL HpCDFs	201	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20103

February 17, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20103	SIB-SC-E30-1-2-07232022	20103001	SE	✓
20103	SIB-SC-E30-2-3-07232022	20103002	SE	✓
20103	SIB-SC-E30-3-4-07232022	20103003	SE	✓
20103	SIB-SC-E30-4-5-07232022	20103004	SE	✓
20103	SIB-SC-E30-5-6-07232022	20103005	SE	✓
20103	SIB-SC-F21-1-2-07/24/2022	20103006	SE	✓
20103	FD-12-07/24/2022	20103007	SE	✓
20103	SIB-SC-F21-2-3-07242022	20103008	SE	✓
20103	SIB-SC-F21-3-4-07242022	20103011	SE	✓
20103	SIB-SC-F21-4-5-07242022	20103012	SE	✓
20103	SIB-SC-F21-5-6-07242022	20103013	SE	✓
20103	SIB-SC-C10-1-2-07242022	20103014	SE	✓
20103	SIB-SC-C10-2-3-07242022	20103015	SE	✓
20103	SIB-SC-C10-3-4-07242022	20103016	SE	✓
20103	SIB-SC-C10-4-5-07242022	20103017	SE	✓
20103	SIB-SC-C10-5-6-07242022	20103018	SE	✓
20103	SIB-SC-C05-1-2-07242022	20103019	SE	✓
20103	SIB-SC-C05-2-3-07242022	20103020	SE	✓
20103	SIB-SC-C05-3-4-07242022	20103021	SE	✓
20103	SIB-SC-C05-4-5-07242022	20103022	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20103	20 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-F21-4-5-07/24/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDF	U-MBL
SIB-SC-F21-5-6-07/24/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C10-3-4-07/24/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C10-4-5-07/24/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDF	U-MBL
SIB-SC-C10-5-6-07/24/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	OCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

MS/MSD analyses were performed using Sample SIB-SC-F21-2-3-07/24/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	853	524	37.7	J-MSH,MSP
1,2,3,4,7,8-HxCDF	150	138	OK	J-MSH
1,2,3,4,6,7,8-HpCDF	351	299	OK	J-MSH
OCDF	547	505	OK	J-MSH
OCDD	Parent > 4x Spike		34.8	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-F21-1-2-07/24/2022 & FD-12-07/24/2022, was submitted. The following outliers resulted in qualification:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8,9-HpCDF	RPD	J-FDPR
1,2,3,4,7,8-HxCDF	RPD	J-FDPR
1,2,3,6,7,8-HxCDF	Difference	J-FDPA
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
1,2,3,7,8,9-HxCDF	Difference	J-FDPA
2,3,4,6,7,8-HxCDF	Difference	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	Difference	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	Difference	J-FDPA
Total TCDF	Difference	J-FDPA
Total TCDD	Difference	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225

column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	156	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	714	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.68	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.9	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.08	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.8	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32.5	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.98	pg/g	J			✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.73	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.68	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.6	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.58	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.15	pg/g		DNR	EXC	
SIB-SC-E30-1-2-07232022	20103001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.47	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	Heptachlorodibenzo-P-Dioxin	1540	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	HEXACHLORODIBENZOFURAN	246	pg/g	JK	J	VJ	
SIB-SC-E30-1-2-07232022	20103001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	273	pg/g	J			✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	OCTACHLORODIBENZOFURAN	467	pg/g				✓
SIB-SC-E30-1-2-07232022	20103001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9410	pg/g	E	J	ACR	
SIB-SC-E30-1-2-07232022	20103001	E1613B	PENTACHLORO DIBENZOFURAN	181	pg/g	JK	J	VJ	
SIB-SC-E30-1-2-07232022	20103001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	47.3	pg/g	JK	J	VJ	
SIB-SC-E30-1-2-07232022	20103001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	82.7	pg/g	JK	J	VJ	
SIB-SC-E30-1-2-07232022	20103001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.9	pg/g	JK	J	VJ	
SIB-SC-E30-1-2-07232022	20103001	E1613B	TOTAL HpCDFs	521	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	162	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	840	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.1	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.9	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.25	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.5	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	36.7	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.48	pg/g	J			✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.72	pg/g	J			✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.05	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.32	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	35	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	35	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.78	pg/g		DNR	EXC	
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.67	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.09	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	Heptachlorodibenzo-P-Dioxin	1890	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	HEXACHLORODIBENZOFURAN	281	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	323	pg/g	J			✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	OCTACHLORODIBENZOFURAN	547	pg/g				✓
SIB-SC-E30-2-3-07232022	20103002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11500	pg/g	E	J	ACR	
SIB-SC-E30-2-3-07232022	20103002	E1613B	PENTACHLORO DIBENZOFURAN	197	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	56.6	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	87.6	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	26.3	pg/g	JK	J	VJ	
SIB-SC-E30-2-3-07232022	20103002	E1613B	TOTAL HpCDFs	574	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	130	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	691	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.83	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.54	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.1	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.24	pg/g	J			✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.1	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.8	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.46	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.27	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.8	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.8	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.69	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.51	pg/g		DNR	EXC	
SIB-SC-E30-3-4-07232022	20103003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.86	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E30-3-4-07232022	20103003	E1613B	Heptachlorodibenzo-P-Dioxin	1520	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	HEXACHLORODIBENZOFURAN	221	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	239	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	OCTACHLORODIBENZOFURAN	421	pg/g				✓
SIB-SC-E30-3-4-07232022	20103003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10000	pg/g	E	J	ACR	
SIB-SC-E30-3-4-07232022	20103003	E1613B	PENTACHLORO DIBENZOFURAN	146	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	60.2	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.9	pg/g	JK	J	VJ	
SIB-SC-E30-3-4-07232022	20103003	E1613B	TOTAL HpCDFs	465	pg/g	JK	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	142	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	602	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.32	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.7	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.44	pg/g	J			✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.9	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.57	pg/g	J			✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.56	pg/g	K	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.96	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.14	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.83	pg/g	K	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.2	pg/g	K	DNR	EXC	
SIB-SC-E30-4-5-07232022	20103004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.25	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	Heptachlorodibenzo-P-Dioxin	1340	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	HEXACHLORODIBENZOFURAN	199	pg/g	JK	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	193	pg/g	J			✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	OCTACHLORODIBENZOFURAN	468	pg/g				✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8870	pg/g	E	J	ACR	
SIB-SC-E30-4-5-07232022	20103004	E1613B	PENTACHLORO DIBENZOFURAN	129	pg/g	J			✓
SIB-SC-E30-4-5-07232022	20103004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	33.4	pg/g	JK	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.4	pg/g	JK	J	VJ	
SIB-SC-E30-4-5-07232022	20103004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.4	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E30-4-5-07232022	20103004	E1613B	TOTAL HpCDFs	489	pg/g	J			✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	110	pg/g	K	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	406	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.64	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.25	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.97	pg/g	J			✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.73	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.2	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.64	pg/g	J			✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.97	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.28	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.73	pg/g	J			✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.25	pg/g	K	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.34	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.6	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.6	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.22	pg/g		DNR	EXC	
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.17	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.85	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	Heptachlorodibenzo-P-Dioxin	979	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	HEXACHLORODIBENZOFURAN	139	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	126	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	OCTACHLORODIBENZOFURAN	349	pg/g				✓
SIB-SC-E30-5-6-07232022	20103005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7230	pg/g	E	J	ACR	
SIB-SC-E30-5-6-07232022	20103005	E1613B	PENTACHLORO DIBENZOFURAN	85.4	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	PENTACHLORODIBENZO-P-DIOXIN	20.2	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	30.9	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.23	pg/g	JK	J	VJ	
SIB-SC-E30-5-6-07232022	20103005	E1613B	TOTAL HpCDFs	367	pg/g	JK	J	VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	157	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	558	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	17.5	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	59.3	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.16	pg/g	J			✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.5	pg/g	K	J	FDPA,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g		J	FDPA	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	9.48	pg/g	K	J	FDPA,VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.74	pg/g				✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.58	pg/g	JK	J	VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.43	pg/g	J			✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g	K	J	FDPA,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	12.7	pg/g	K	J	VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.3	pg/g				✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.4	pg/g				✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	pg/g	K	DNR	EXC	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	pg/g				✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	Heptachlorodibenzo-P-Dioxin	1120	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	HEXACHLORODIBENZOFURAN	333	pg/g	JK	J	FDPR,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	110	pg/g	JK	J	FDPR,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	OCTACHLORODIBENZOFURAN	544	pg/g		J	FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5560	pg/g	E	J	ACR,FDPR	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	PENTACHLORO DIBENZOFURAN	93.9	pg/g	JK	J	FDPR,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.2	pg/g	JK	J	FDPA,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.8	pg/g	JK	J	FDPA,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.39	pg/g	JK	J	FDPA,VJ	
SIB-SC-F21-1-2-07/24/2022	20103006	E1613B	TOTAL HpCDFs	641	pg/g	J	J	FDPR	
FD-12-07/24/2022	20103007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	425	pg/g		J	FDPR	
FD-12-07/24/2022	20103007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1390	pg/g		J	FDPR	
FD-12-07/24/2022	20103007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	43.9	pg/g		J	FDPR	
FD-12-07/24/2022	20103007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	127	pg/g		J	FDPR	
FD-12-07/24/2022	20103007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.69	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	24.9	pg/g		J	FDPA	
FD-12-07/24/2022	20103007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	45.2	pg/g		J	FDPA	
FD-12-07/24/2022	20103007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	19.7	pg/g		J	FDPA	
FD-12-07/24/2022	20103007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.6	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
FD-12-07/24/2022	20103007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.29	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	28	pg/g		J	FDPA	
FD-12-07/24/2022	20103007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	21.2	pg/g	K	J	VJ	
FD-12-07/24/2022	20103007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	60.8	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	60.8	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.01	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.74	pg/g		DNR	EXC	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-12-07/24/2022	20103007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.885	pg/g				✓
FD-12-07/24/2022	20103007	E1613B	Heptachlorodibenzo-P-Dioxin	2750	pg/g	E	J	ACR,FDPR	
FD-12-07/24/2022	20103007	E1613B	HEXACHLORODIBENZOFURAN	818	pg/g	JK	J	FDPR,VJ	
FD-12-07/24/2022	20103007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	291	pg/g	K	J	FDPR,VJ	
FD-12-07/24/2022	20103007	E1613B	OCTACHLORODIBENZOFURAN	1470	pg/g		J	FDPR	
FD-12-07/24/2022	20103007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13100	pg/g	E	J	ACR,FDPR	
FD-12-07/24/2022	20103007	E1613B	PENTACHLORO DIBENZOFURAN	186	pg/g	JK	J	FDPR,VJ	
FD-12-07/24/2022	20103007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31.4	pg/g	JK	J	FDPA,VJ	
FD-12-07/24/2022	20103007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.2	pg/g	JK	J	FDPA,VJ	
FD-12-07/24/2022	20103007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17	pg/g	JK	J	FDPA,VJ	
FD-12-07/24/2022	20103007	E1613B	TOTAL HpCDFs	1800	pg/g	JK	J	FDPR,VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	95	pg/g		J	MSH	
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	189	pg/g		J	MSH,MSP	
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	26.4	pg/g		J	MSH	
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.872	pg/g	JK	J	VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.51	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.83	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.32	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.89	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.86	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.618	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.72	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.3	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.4	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.4	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.699	pg/g	JK	J	VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.468	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	Heptachlorodibenzo-P-Dioxin	365	pg/g				✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	HEXACHLORODIBENZOFURAN	180	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	45.6	pg/g	JK	J	VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	OCTACHLORODIBENZOFURAN	216	pg/g		J	MSH	
SIB-SC-F21-2-3-07242022	20103008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2180	pg/g		J	MSP	
SIB-SC-F21-2-3-07242022	20103008	E1613B	PENTACHLORO DIBENZOFURAN	59.8	pg/g	JK	J	VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.27	pg/g	J			✓
SIB-SC-F21-2-3-07242022	20103008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.9	pg/g	JK	J	VJ	
SIB-SC-F21-2-3-07242022	20103008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.21	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F21-2-3-07242022	20103008	E1613B	TOTAL HpCDFs	353	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	72.7	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	203	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.91	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.4	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.06	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.31	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.19	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.52	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.12	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.852	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.77	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.49	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.76	pg/g	J			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.28	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.48	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.774	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	Heptachlorodibenzo-P-Dioxin	402	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	HEXACHLORODIBENZOFURAN	125	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44.9	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	OCTACHLORODIBENZOFURAN	231	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2300	pg/g				✓
SIB-SC-F21-3-4-07242022	20103011	E1613B	PENTACHLORO DIBENZOFURAN	38.1	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	PENTACHLORODIBENZO-P-DIOXIN	6.62	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.3	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.03	pg/g	JK	J	VJ	
SIB-SC-F21-3-4-07242022	20103011	E1613B	TOTAL HpCDFs	285	pg/g	JK	J	VJ	
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.867	pg/g	BJ	U	MBL	
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.272	pg/g	JK	J	VJ	
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0575	pg/g				✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.444	pg/g				✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	Heptachlorodibenzo-P-Dioxin	3.78	pg/g	J			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	HEXACHLORODIBENZOFURAN	0.916	pg/g	BJK	J	VJ	
SIB-SC-F21-4-5-07242022	20103012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.766	pg/g	JK	J	VJ	
SIB-SC-F21-4-5-07242022	20103012	E1613B	OCTACHLORODIBENZOFURAN	1.29	pg/g	BJ	U	MBL	
SIB-SC-F21-4-5-07242022	20103012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15.1	pg/g				✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	PENTACHLORO DIBENZOFURAN	0.239	pg/g	BJK	J	VJ	
SIB-SC-F21-4-5-07242022	20103012	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-4-5-07242022	20103012	E1613B	TOTAL HpCDFs	2	pg/g	BJ			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.7	pg/g	BJ	U	MBL	
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.954	pg/g	J			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.275	pg/g	JK	J	VJ	
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.217	pg/g	JK	J	VJ	
SIB-SC-F21-5-6-07242022	20103013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0529	pg/g				✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.367	pg/g				✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	Heptachlorodibenzo-P-Dioxin	2.62	pg/g	J			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	HEXACHLORODIBENZOFURAN	0.553	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F21-5-6-07242022	20103013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.896	pg/g	JK	J	VJ	
SIB-SC-F21-5-6-07242022	20103013	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8	pg/g	J			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	PENTACHLORO DIBENZOFURAN	0.805	pg/g	BJK	J	VJ	
SIB-SC-F21-5-6-07242022	20103013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.202	pg/g	J			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F21-5-6-07242022	20103013	E1613B	TOTAL HpCDFs	0.7	pg/g	BJ			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	37.4	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	178	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.9	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.03	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.21	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.74	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.62	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.752	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.97	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.86	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.859	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.73	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.04	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.2	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.969	pg/g	K	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.2	pg/g		DNR	EXC	
SIB-SC-C10-1-2-07242022	20103014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	Heptachlorodibenzo-P-Dioxin	356	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	HEXACHLORODIBENZOFURAN	50.8	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	48.1	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	OCTACHLORODIBENZOFURAN	164	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1750	pg/g				✓
SIB-SC-C10-1-2-07242022	20103014	E1613B	PENTACHLORO DIBENZOFURAN	27	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.35	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.7	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.42	pg/g	JK	J	VJ	
SIB-SC-C10-1-2-07242022	20103014	E1613B	TOTAL HpCDFs	155	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	29.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	129	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.13	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.4	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.757	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.73	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.79	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.642	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.69	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.638	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.646	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.36	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.48	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.71	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.06	pg/g		DNR	EXC	
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.14	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	Heptachlorodibenzo-P-Dioxin	266	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	HEXACHLORODIBENZOFURAN	38.3	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.8	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	OCTACHLORODIBENZOFURAN	106	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1320	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	PENTACHLORO DIBENZOFURAN	23.7	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.13	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.9	pg/g	JK	J	VJ	
SIB-SC-C10-2-3-07242022	20103015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.11	pg/g				✓
SIB-SC-C10-2-3-07242022	20103015	E1613B	TOTAL HpCDFs	109	pg/g	J			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.13	pg/g	BJ	U	MBL	
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.44	pg/g				✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.3	pg/g	J			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.192	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.337	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C10-3-4-07242022	20103016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.155	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.18	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.261	pg/g				✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.532	pg/g				✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	Heptachlorodibenzo-P-Dioxin	14	pg/g				✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	HEXACHLORODIBENZOFURAN	2.57	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.67	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	OCTACHLORODIBENZOFURAN	5.55	pg/g	J			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	70.3	pg/g				✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	PENTACHLORO DIBENZOFURAN	1.7	pg/g	BJK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.233	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C10-3-4-07242022	20103016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.417	pg/g	JK	J	VJ	
SIB-SC-C10-3-4-07242022	20103016	E1613B	TOTAL HpCDFs	5.81	pg/g	JK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.03	pg/g	BJ	U	MBL	
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.4	pg/g	J			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.342	pg/g	JK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.288	pg/g	JK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.186	pg/g	JK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.172	pg/g				✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.562	pg/g				✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	Heptachlorodibenzo-P-Dioxin	7.85	pg/g	J			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	HEXACHLORODIBENZOFURAN	0.908	pg/g	BJK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.26	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C10-4-5-07242022	20103017	E1613B	OCTACHLORODIBENZOFURAN	1.46	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	28.7	pg/g				✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	PENTACHLORO DIBENZOFURAN	1.03	pg/g	BJK	J	VJ	
SIB-SC-C10-4-5-07242022	20103017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.266	pg/g	J			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.684	pg/g	J			✓
SIB-SC-C10-4-5-07242022	20103017	E1613B	TOTAL HpCDFs	1.7	pg/g	BJ			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.393	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.2	pg/g	J			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.158	pg/g	J			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0486	pg/g				✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.46	pg/g				✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	Heptachlorodibenzo-P-Dioxin	5.94	pg/g	J			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	HEXACHLORODIBENZOFURAN	0.302	pg/g	BJK	J	VJ	
SIB-SC-C10-5-6-07242022	20103018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	J			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	OCTACHLORODIBENZOFURAN	0.916	pg/g	BJ	U	MBL	
SIB-SC-C10-5-6-07242022	20103018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	22.1	pg/g				✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C10-5-6-07242022	20103018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.878	pg/g	JK	J	VJ	
SIB-SC-C10-5-6-07242022	20103018	E1613B	TOTAL HpCDFs	0.846	pg/g	BJK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	155	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1290	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.23	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.61	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.42	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	40.9	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.2	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.36	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.35	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.9	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.25	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	36	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	36	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.36	pg/g	K	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.44	pg/g		DNR	EXC	
SIB-SC-C05-1-2-07242022	20103019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.16	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	Heptachlorodibenzo-P-Dioxin	2530	pg/g	E	J	ACR	
SIB-SC-C05-1-2-07242022	20103019	E1613B	HEXACHLORODIBENZOFURAN	247	pg/g	J			✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	329	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	OCTACHLORODIBENZOFURAN	519	pg/g				✓
SIB-SC-C05-1-2-07242022	20103019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10200	pg/g	E	J	ACR	
SIB-SC-C05-1-2-07242022	20103019	E1613B	PENTACHLORO DIBENZOFURAN	142	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	59.4	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.8	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07242022	20103019	E1613B	TOTAL HpCDFs	581	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	120	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	403	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.85	pg/g	J			✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.71	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.3	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.7	pg/g	J			✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.25	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.95	pg/g	J			✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.78	pg/g	J			✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.88	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.6	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.8	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.8	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.52	pg/g	K	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.92	pg/g		DNR	EXC	
SIB-SC-C05-2-3-07242022	20103020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.668	pg/g	K	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	Heptachlorodibenzo-P-Dioxin	888	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	HEXACHLORODIBENZOFURAN	157	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	123	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	OCTACHLORODIBENZOFURAN	252	pg/g				✓
SIB-SC-C05-2-3-07242022	20103020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4940	pg/g	E	J	ACR	
SIB-SC-C05-2-3-07242022	20103020	E1613B	PENTACHLORO DIBENZOFURAN	119	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	22.9	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	43.4	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.6	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07242022	20103020	E1613B	TOTAL HpCDFs	342	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	22.8	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	97.7	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.554	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.84	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.468	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.436	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.04	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.24	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.39	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.828	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	Heptachlorodibenzo-P-Dioxin	201	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	HEXACHLORODIBENZOFURAN	29.5	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.6	pg/g	J			✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	OCTACHLORODIBENZOFURAN	77.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07242022	20103021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	922	pg/g				✓
SIB-SC-C05-3-4-07242022	20103021	E1613B	PENTACHLORO DIBENZOFURAN	24	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07242022	20103021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.62	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07242022	20103021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.27	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07242022	20103021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.13	pg/g	K	J	VJ	
SIB-SC-C05-3-4-07242022	20103021	E1613B	TOTAL HpCDFs	79	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	21.2	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.646	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.607	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.836	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.364	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.335	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.82	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.67	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.11	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.44	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	Heptachlorodibenzo-P-Dioxin	55.4	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	HEXACHLORODIBENZOFURAN	16	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	8.38	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	OCTACHLORODIBENZOFURAN	28.2	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	376	pg/g				✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	PENTACHLORO DIBENZOFURAN	13.6	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.78	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.51	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07242022	20103022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.766	pg/g	J			✓
SIB-SC-C05-4-5-07242022	20103022	E1613B	TOTAL HpCDFs	39.3	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20104

April 26, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	EPA 1668C	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20104	SIB-SC-B09-0-1-07/22/2022	20104001	SE	✓
20104	SIB-SC-B09-1-2-07/22/2022	20104002	SE	✓
20104	SIB-SC-B09-2-3-07/22/2022	20104003	SE	✓
20104	SIB-SC-B09-3-4-07/22/2022	20104004	SE	✓
20104	SIB-SC-B09-4-5-07/22/2022	20104005	SE	✓
20104	SIB-SC-B09-5-6-07/22/2022	20104006	SE	✓
20104	SIB-SC-C25-0-1-07/23/2022	20104007	SE	✓
20104	SIB-SC-C25-1-2-07/23/2022	20104010	SE	✓
20104	FD-10-07/23/2022	20104011	SE	✓
20104	SIB-SC-C25-2-3-07/23/2022	20104012	SE	✓
20104	SIB-SC-C25-3-4-07/23/2022	20104013	SE	✓
20104	SIB-SC-C25-4-5-07/23/2022	20104014	SE	✓
20104	SIB-SC-C25-5-6-07/23/2022	20104015	SE	✓
20104	SIB-SC-E23-1-2-07/23/2022	20104016	SE	✓
20104	SIB-SC-E23-2-3-07/23/2022	20104017	SE	✓
20104	SIB-SC-C05-1-2-07/24/2022	20104018	SE	✓
20104	SIB-SC-C05-2-3-07/24/2022	20104019	SE	✓
20104	SIB-SC-C05-3-4-07/24/2022	20104020	SE	✓
20104	SIB-SC-C05-4-5-07/24/2022	20104021	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20104	19 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For "custom field 1", 2,3,3'6-tetrachlorobiphenol (59) should be listed as PCB-59/62/75. A comment was added to "custom field 2" to note this.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	1	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Quantitation
1	Certified Reference Material		

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported

in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values are considered as positive identifications which are "estimated maximum possible concentrations". When these occurred in the method blank, the results were evaluated. When these occurred in the associated samples, EMPC values that were less than the action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SC-B09-0-1-07/22/2022	PCB-11	U-MBL
	PCB-31	U-MBL
	PCB-105	U-MBL
	PCB-167	U-MBL
	PCB-209	U-MBL
	PCB-156/157	U-MBL
	PCB-20/28	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
SIB-SC-B09-1-2-07/22/2022	PCB-11	U-MBL
SIB-SC-B09-2-3-07/22/2022	PCB-11	U-MBL
SIB-SC-B09-3-4-07/22/2022	PCB-11	U-MBL
SIB-SC-B09-4-5-07/22/2022	PCB-11	U-MBL
	PCB-31	U-MBL
	PCB-52	U-MBL
	PCB-105	U-MBL
	PCB-118	U-MBL
	PCB-209	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-156/157	U-MBL
	PCB-180/193	U-MBL
	PCB-20/28	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
PCB-90/101/113	U-MBL	
SIB-SC-B09-5-6-07/22/2022	PCB-11	U-MBL
	PCB-31	U-MBL

Client ID	Analyte	Qualifier
	PCB-167	U-MBL
	PCB-156/157	U-MBL
	PCB-20/28	U-MBL
SIB-SC-C25-0-1-07/23/2022	PCB-11	U-MBL
SIB-SC-C25-3-4-07/23/2022	PCB-11	U-MBL
SIB-SC-C25-4-5-07/23/2022	PCB-11	U-MBL
SIB-SC-C25-5-6-07/23/2022	PCB-11	U-MBL
SIB-SC-C05-2-3-07/24/2022	PCB-11	U-MBL
SIB-SC-C05-3-4-07/24/2022	PCB-11	U-MBL
SIB-SC-C05-4-5-07/24/2022	PCB-11	U-MBL
	PCB-167	U-MBL
	PCB-156/157	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB04-07212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20081. EB04-07212022 was free from all contamination.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and duplicate must be less than 2x the RL.

Samples SIB-SC-C25-1-2-07/23/2022 & FD-10-07/23/2022 were submitted as field duplicates. The following outliers were noted:

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-25	Difference	J-FDPA
PCB-82	Difference	J-FDPA
PCB-105	RPD	J-FDPR
PCB-118	RPD	J-FDPR
PCB-158	Difference	J-FDPA
PCB-164	Difference	J-FDPA
PCB-26/29	Difference	J-FDPA
PCB-86/87/97/109/119/125	Difference	J-FDPA
PCB-128/166	Difference	J-FDPA

Reporting Limits

High concentrations of target analytes necessitated changes to the standard extraction procedure by using smaller sample aliquots. This resulted in practical quantitation limits there were greater than those provided in the QAPP. Although some individual congeners were reported as not detected at elevated detection limits, this did not impact data usability, as the overall total PCB concentrations for most samples were greater than site CULs and RALs.

Sample SIB-SC-C05-1-2-07/24/2022 was analyzed at a 5X dilution due to concentrations that exceeded the calibration range of the instrument.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were estimated (J-VJ).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as demonstrated by the LCS/LCSD, matrix spike/matrix spike duplicate, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to field duplicate precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	DECACHLOROBIPHENYL	9.41	pg/g	BJK	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 3,3'-	42.3	pg/g	BJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	24.4	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	10	pg/g	CJK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	29.8	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	17	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	5.61	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	10.6	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	19.1	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	53	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	21.9	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	44.6	pg/g	BJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	5.48	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	11.4	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	7.05	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	93.6	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	32.3	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	52.4	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	22.1	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	18.9	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	27.5	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	119	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	118	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	11.3	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	11.2	pg/g	BCJK	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	8.19	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	7.72	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	11.1	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	14.5	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	7.72	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	6.73	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	4.53	pg/g	CJK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	17.6	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	4.85	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	10.6	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	PCB-167	4.56	pg/g	BJK	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	PCB-82		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	16.3	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	6.09	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	32.5	pg/g	BCJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	72.3	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	18.9	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	17.9	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	73.1	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	37.7	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	13.7	pg/g	BJK	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	70.8	pg/g	BCJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	43.1	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Polychlorinated Biphenyl (PCB)	1530	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	TETRACHLORO 1,1'-BIPHENYL	36	pg/g	BCJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	8.23	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	30.3	pg/g	BCJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	5.68	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	29.8	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	6.15	pg/g	CJK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	46.9	pg/g	BJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	16.4	pg/g	J			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	6.76	pg/g	JK	J	VJ	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,2',5-	6.92	pg/g	CJ			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3,3'-	9.15	pg/g	BCJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3,4-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,4',5-	8.03	pg/g	BJ	U	MBL	
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B09-0-1-07/22/2022	20104001	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	DECACHLOROBIPHENYL	384	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 3,3'-	44.5	pg/g	BJ	U	MBL	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1080	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	386	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	205	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1290	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	839	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	59.4	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	217	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6'-	367	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	812	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	2560	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	11.6	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	953	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	2040	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	13	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	39.3	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	203	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	44.6	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	252	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	221	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3140	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1110	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	27	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	151	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2090	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	165	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	737	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	65.8	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	590	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1100	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	204	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	50.9	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	4190	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	56	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3910	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	312	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	153	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	214	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	282	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	316	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	34.7	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	99.7	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	557	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	330	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	234	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	118	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	679	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	86.1	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	131	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	444	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	27.3	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	PCB-167	81	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	PCB-82	43.7	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	73.6	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	186	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	61.3	pg/g	CJK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	409	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1290	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	248	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	38.1	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	428	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	61.7	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1550	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	6.27	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	628	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	98.6	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	153	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	15.3	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	62.8	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1100	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	577	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	41	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Polychlorinated Biphenyl (PCB)	42800	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	TETRACHLORO 1,1'-BIPHENYL	310	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	54.5	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	34.3	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	277	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	7.06	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	20.3	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	342	pg/g	C			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	11.8	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	22	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	425	pg/g				✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	51.9	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,3',6'-		pg/g	CU			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	14.3	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	138	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,4',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	50.1	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	38.7	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	35.8	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	12.2	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,2',3'-	8	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,2',4'-	11.7	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,2',5'-	16.4	pg/g	CJK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,2',6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3,3'-	41	pg/g	BCJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3,4'-	11.5	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3,4'-	18.2	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3',4'-	15.9	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3',5'-	23.2	pg/g	CJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,3',6'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,4',5'-	33.1	pg/g	BJ			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 2,4',6'-	7.32	pg/g	JK	J	VJ	
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 3,4,4'-	15.7	pg/g	J			✓
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-1-2-07/22/2022	20104002	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	2-CHLOROBIPHENYL	7.4	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Chlorobiphenyl; 4-	9.02	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	DECACHLOROBIPHENYL	821	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,4'-	14.4	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 3,3'-	58.2	pg/g	BJK	U	MBL	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	674	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	255	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	145	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	883	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	559	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	45.3	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	142	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	252	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	500	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1650	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	12.8	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	642	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1440	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	8.91	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	28.2	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	117	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	21.6	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	236	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	195	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2480	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	724	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	18.9	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	99.4	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1150	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	99.4	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	480	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	45.8	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	50.7	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	338	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	830	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	101	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	28	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	2760	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	36.1	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3020	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	178	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	165	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	114	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	6.71	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	186	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	618	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	55.7	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	211	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	456	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	267	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	167	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	91.6	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	624	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	83.1	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	138	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	378	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	23.7	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	PCB-167	57.9	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	PCB-82	73.5	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	69.5	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	281	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	126	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	611	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	1640	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	392	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	51.5	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	477	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	49.1	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	1480	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	11.4	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	989	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	87	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	236	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	26	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	109	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	1580	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	7.63	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	12.6	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	980	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	32.1	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Polychlorinated Biphenyl (PCB)	38300	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	TETRACHLORO 1,1'-BIPHENYL	654	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	115	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	108	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	608	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,5-	10.6	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	11	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	38.2	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	646	pg/g	C			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	16.8	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	44.8	pg/g	CJK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	805	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	119	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	13.4	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	20.2	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	15.4	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	321	pg/g				✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	12.9	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	45.6	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	80.9	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	47.7	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	21.2	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	30.6	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,2',3-	8.07	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,2',4-	17.5	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,2',5-	24.2	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3,3'-	71.1	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3,4'-	14.2	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3,4-	58.9	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3',4-	34.6	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3',5-	33.5	pg/g	CJ			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,4',5-	63.3	pg/g	J			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 2,4',6-	14.8	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 3,4,4'-	16.3	pg/g	JK	J	VJ	
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B09-2-3-07/22/2022	20104003	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Chlorobiphenyl; 3-	7.88	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	DECACHLOROBIPHENYL	122	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 3,3'-	44.3	pg/g	BJ	U	MBL	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	299	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	120	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	65.4	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	376	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	258	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	20.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	67	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	121	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	241	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	717	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	272	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	637	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	13.6	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	58	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	66.3	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	76.7	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	1020	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	315	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	54.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	655	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	46.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	294	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	22.3	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	157	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	419	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	53.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	19.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	1500	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	30.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	1430	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	133	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	52.8	pg/g	BCJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	41.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	88.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	117	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	14.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	38.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	171	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	97.1	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	73.3	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	31.4	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	213	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	28	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	50.1	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	134	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	9.47	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	PCB-167	22.7	pg/g	BJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	PCB-82		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	25.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	67.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	28.2	pg/g	CJK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	183	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	750	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	235	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	25.6	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	270	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	52.9	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	712	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	6.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	480	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	87.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	39	pg/g	BJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	33.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	454	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	200	pg/g				✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	23.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Polychlorinated Biphenyl (PCB)	16900	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	TETRACHLORO 1,1'-BIPHENYL	185	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	54.1	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	22.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	483	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	30.6	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	582	pg/g	C			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	34.8	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	415	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	22.9	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,3',6'-		pg/g	CU			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	86.9	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,4',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	74.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	21.8	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	40.2	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	12.5	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	11.6	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,2',3'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,2',4'-	10.4	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,2',5'-	11.5	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,2',6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3,3'-	34.9	pg/g	BCJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3,4'-	6.37	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3,4'-	22.8	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3',4'-	58.4	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3',5'-	47.4	pg/g	CJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,3',6'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,4',5'-	39.2	pg/g	BJ			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 2,4',6'-	7.9	pg/g	J			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 3,3',4'-	9.55	pg/g	JK	J	VJ	
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B09-3-4-07/22/2022	20104004	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	DECACHLOROBIPHENYL	14.5	pg/g	BJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 3,3'-	43	pg/g	BJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	16.5	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	19.8	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	14.4	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	12.1	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	36.3	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	13.9	pg/g	CJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	32.6	pg/g	BJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	59.1	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	17.1	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	29.1	pg/g	BCJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	13	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	9.39	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	20.9	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	64.4	pg/g	CJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	72.4	pg/g	BCJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	5.86	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7.54	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	15.3	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	10.9	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	6.43	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	13.8	pg/g	BCJK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.92	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	10.5	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	PCB-167		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	PCB-82		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	7.33	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	19.7	pg/g	BCJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	38.6	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	8.88	pg/g	CJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	12	pg/g	JK	J	VJ	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	33.3	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	22.1	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	9.69	pg/g	BJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	38.7	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	24.2	pg/g	BJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Polychlorinated Biphenyl (PCB)	880	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	TETRACHLORO 1,1'-BIPHENYL	20.1	pg/g	BCJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	20.6	pg/g	BCJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	16.1	pg/g	CJ			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	21.1	pg/g	BJ	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9.24	pg/g	J			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,2',5-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3,3'-	6.64	pg/g	BCJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3,4-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,4',5-	8.76	pg/g	BJK	U	MBL	
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B09-4-5-07/22/2022	20104005	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	DECACHLOROBIPHENYL	120	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 3,3'-	52.1	pg/g	BJ	U	MBL	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	63.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	27.8	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	14.6	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	89.2	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	57.7	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	15.5	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	25.2	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	45.4	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	152	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	62.9	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	133	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	3.98	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	10.8	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	38.3	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	22.4	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	298	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	96.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	10.6	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	136	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	14.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	54.7	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	9.45	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	6.44	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	44	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	70.8	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	14.3	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	274	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	3.34	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	271	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	15.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	27	pg/g	BCJ	U	MBL	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	21.1	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	23.1	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	72.2	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	21.6	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	28.8	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	16.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	10.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	7.44	pg/g	CJK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	40.6	pg/g	BCJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	7.08	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	10.1	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	22.2	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	PCB-167	8.93	pg/g	BJ	U	MBL	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	PCB-82	16.6	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	33.1	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	19.7	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	89.2	pg/g	BCJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	180	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	35.9	pg/g	CJK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	51.1	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	149	pg/g				✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	107	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	51.7	pg/g	BJK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	13.8	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	192	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	156	pg/g				✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Polychlorinated Biphenyl (PCB)	4010	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	TETRACHLORO 1,1'-BIPHENYL	73.4	pg/g	BCJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	10.5	pg/g	CJK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	10.3	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	43.9	pg/g	BCJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	5.56	pg/g	CJK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	40	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3.51	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	52	pg/g	BJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	15.4	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	40.9	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	7.71	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	7.21	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,2',5-	4.01	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3,3'-	10.7	pg/g	BCJ	U	MBL	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3,4'-	3.23	pg/g	JK	J	VJ	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3,4-	5.86	pg/g	CJ			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,4',5-	6.22	pg/g	BJ	U	MBL	
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 3,4,4'-	4.51	pg/g	J			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B09-5-6-07/22/2022	20104006	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	2-CHLOROBIPHENYL	23.1	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	4,4'-DICHLOROBIPHENYL	90.2	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Chlorobiphenyl; 3-	50.9	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Chlorobiphenyl; 4-	33.7	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	DECACHLOROBIPHENYL	218	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,2'-	58.5	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,3'-	21	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,4'-	63.5	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 3,3'-	195	pg/g	BJ	U	MBL	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 3,4-	27.3	pg/g	CJK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1970	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	665	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	354	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2180	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1370	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6-	91.4	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	268	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	717	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	932	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4620	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	25.9	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	16.7	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	1540	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3800	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	11.3	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	79.2	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	387	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	70.8	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Heptachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	690	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	370	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	6470	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1850	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	51.9	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	194	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2420	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	288	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	825	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	141	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	96.1	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1040	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1170	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	256	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	48.6	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	5000	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	35.7	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	17.8	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	5680	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	203	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.13	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	543	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	489	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	27.5	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	481	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	8.71	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	911	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	72	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	281	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1070	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	531	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	360	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	200	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2120	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	195	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	669	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1370	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	46.7	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	PCB-167	203	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	PCB-82	239	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	167	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	602	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	364	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1620	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	3360	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	23.4	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	643	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	145	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	871	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	51	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	200	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2790	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	45.4	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1470	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	146	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	17	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	656	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	73.6	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	27.4	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-	170	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	3480	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	7.72	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	38.3	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	29.8	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	2380	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	37	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	7.86	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Polychlorinated Biphenyl (PCB)	85100	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	TETRACHLORO 1,1'-BIPHENYL	1280	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	305	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	152	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,4-	24.7	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1450	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,5-	20.5	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	36.2	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	422	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	732	pg/g	C			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',4,5-	71.4	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',4,6-	228	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1310	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	51.2	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	254	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	12.1	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,3',6-	69.4	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	68.6	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	765	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,4',5-	31.6	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	33	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3',4,5-	15.9	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3,4',6-	241	pg/g				✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	30.2	pg/g	JK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 2,3',5',6-	37	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	83.5	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	22	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,2',3-	37.3	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,2',4-	93.1	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,2',5-	101	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,2',6-	104	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3,3'-	325	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3,4'-	66.7	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3,4-	145	pg/g	CJ			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3',4-	31.1	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3',5-	45.3	pg/g	CJK	J	VJ	
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,3',6-	28	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,4',5-	179	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 2,4',6-	71	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 3,4,4'-	110	pg/g	J			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-0-1-07/23/2022	20104007	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	2-CHLOROBIPHENYL	51.5	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	4,4'-DICHLOROBIPHENYL	217	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Chlorobiphenyl; 3-	74.6	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Chlorobiphenyl; 4-	77.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	DECACHLOROBIPHENYL	492	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,2'-	122	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,3'-	63.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,4'-	192	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,4-	15.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,5-	27	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 3,3'-	292	pg/g	B			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 3,4-	60.1	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5'-	4050	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6'-	1380	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	722	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4720	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2930	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	204	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	601	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6'-	1160	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2000	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	9410	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	46.1	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	29.7	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6'-	3210	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	6580	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	16.7	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	160	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	773	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6'-	151	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1770	pg/g	C	J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	899	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	14900	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4500	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	132	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5920	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	740	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2080	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	402	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	247	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2370	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2780	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	564	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	90.5	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	12000	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	4.76	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	98.7	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	30.9	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	13000	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	495	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.37	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1320	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1120	pg/g		J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	50.9	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1140	pg/g		J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	17.3	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	893	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	107	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	235	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1730	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	993	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	699	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	366	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2310	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	281	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	406	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1400	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	101	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	PCB-167	472	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	PCB-82	738	pg/g		J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	456	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1820	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1050	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4670	pg/g	C	J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	9410	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	57.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1700	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	344	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2460	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	98.8	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	290	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7750	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	95.3	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4400	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	352	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	15.4	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2020	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	229	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	80.7	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	483	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	9960	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	109	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	51	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	7030	pg/g		J	FDPR	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	98.1	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	25	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Polychlorinated Biphenyl (PCB)	197000	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	TETRACHLORO 1,1'-BIPHENYL	3960	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	760	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	459	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,4-	33	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3190	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,5-	63.4	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	91.1	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',3,6-	689	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2100	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',4,5-	187	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',4,6-	477	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4160	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	59.6	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	660	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,3',4-	32.9	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	36.6	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,3',6-	160	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	138	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2070	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,4',5-	79.4	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	90.7	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3',4,5-	41.6	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3,4',6-	669	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	113	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 2,3',5',6-	59.9	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	222	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	86.2	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,2',3-	90.5	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,2',4-	238	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,2',5-	300	pg/g	CJ			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,2',6-	156	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3,3'-	954	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3,4'-	189	pg/g	K	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3,4-	392	pg/g	C			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3',4-	91.5	pg/g	J	J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3',5'-	12	pg/g	J			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3',5-	162	pg/g	CJ	J	FDPA	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,3',6-	59.9	pg/g	JK	J	VJ	
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,4',5-	542	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 2,4',6-	172	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 3,3',4-	17.9	pg/g	J			✓

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Swan Island Basin**

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SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 3,4,4'-	289	pg/g				✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-1-2-07/23/2022	20104010	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	2-CHLOROBIPHENYL	40.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	4,4'-DICHLOROBIPHENYL	166	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Chlorobiphenyl; 3-	58.1	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Chlorobiphenyl; 4-	45.8	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	DECACHLOROBIPHENYL	388	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,2'-	123	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,3'-	108	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,4'-	171	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,4-	15.2	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,5-	34.7	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 3,3'-	267	pg/g	B			✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 3,4-	46.3	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3200	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1090	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	578	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3800	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2380	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6-	160	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	490	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6-	942	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1630	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7620	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	35.4	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	24.2	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2630	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5330	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	15.5	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	121	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	614	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	112	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1080	pg/g	C	J	FDPA	
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	605	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	10400	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3070	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	82.4	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	268	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4460	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	491	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1550	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	221	pg/g	K	J	VJ	
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	166	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1690	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2080	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	411	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	74.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	8890	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	74.7	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	25.7	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	9710	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	370	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.52	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	800	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	701	pg/g		J	FDPA	
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	789	pg/g		J	FDPA	
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	13.9	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	759	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-10-07/23/2022	20104011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	87.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	207	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1450	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	825	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	590	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	310	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1960	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	235	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	344	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1170	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	83.7	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	PCB-167	310	pg/g				✓
FD-10-07/23/2022	20104011	E1668	PCB-82	372	pg/g		J	FDPA	
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	290	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1110	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	566	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2510	pg/g	C	J	FDPA	
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	5930	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	31.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1320	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	259	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1630	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	85.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	252	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5280	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	76.7	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2900	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	308	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	14.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	941	pg/g		J	FDPR	
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	111	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	44	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	334	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	5990	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	15.8	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	40.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	41.8	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4040	pg/g		J	FDPR	
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	73.1	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	11.3	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Polychlorinated Biphenyl (PCB)	149000	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	TETRACHLORO 1,1'-BIPHENYL	2830	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	846	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	556	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3210	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,5-	59.3	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	88.2	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',3,6-	573	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3080	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',4,5-	181	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',4,6-	421	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4780	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	50.9	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	527	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,3',4-	24.2	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	37.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,3',5-	13.8	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,3',6-	170	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	99.5	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1790	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,4',5-	68.2	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	107	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3',4,5-	42.7	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3,4',6-	571	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	139	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 2,3',5',6-	105	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	164	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	59.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,2',3-	79.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,2',4-	223	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,2',5-	284	pg/g	CJ			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,2',6-	136	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3,3'-	868	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3,4'-	173	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3,4-	360	pg/g	C			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3',4-	492	pg/g		J	FDPA	
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3',5'-	16.7	pg/g	JK	J	VJ	
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3',5-	1560	pg/g	C	J	FDPA	
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,3',6-	70.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,4',5-	596	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 2,4',6-	178	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 3,3',4-	23.6	pg/g	J			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 3,4,4'-	246	pg/g				✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-10-07/23/2022	20104011	E1668	Trichlorobiphenyl; 3,4',5-	21.7	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	2-CHLOROBIPHENYL	307	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	4,4'-DICHLOROBIPHENYL	692	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Chlorobiphenyl; 3-	110	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Chlorobiphenyl; 4-	229	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	DECACHLOROBIPHENYL	904	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,2'-	725	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,3'-	372	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,4'-	1320	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,4-	52.7	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,5-	93.6	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 2,6-	30.2	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 3,3'-	457	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 3,4-	159	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	6450	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2320	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1170	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7330	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4460	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	357	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1020	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1710	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3040	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	14900	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	60.4	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	116	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5480	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	8.23	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	10100	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	21.9	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	260	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1290	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	240	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	8130	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3150	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	48800	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	15300	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	654	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	720	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	12500	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2420	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5280	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	2360	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	870	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	7100	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	6060	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1720	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	117	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	30400	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	15.8	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	118	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	37.2	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	33400	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	730	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.28	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6250	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	4650	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	112	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3090	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1470	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	184	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	396	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2620	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1580	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1050	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	589	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3580	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	460	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	642	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2200	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	160	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	PCB-167	1820	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	PCB-82	6110	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2890	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	13100	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7650	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	35700	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	54100	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	348	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	7330	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1200	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	11300	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	170	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	337	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	44200	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	254	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	22200	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	623	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	8.55	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	19300	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1860	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	575	pg/g	K	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2770	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	64200	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	28.5	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	1030	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	640	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	52700	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	157	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	72.1	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	77.8	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Polychlorinated Biphenyl (PCB)	785000	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	TETRACHLORO 1,1'-BIPHENYL	35600	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3440	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2280	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,4-	141	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	17000	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,5-	315	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	293	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',3,6-	889	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1010	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1190	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	40200	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	21.1	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4050	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,3',4-	155	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	120	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,3',6-	536	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	1280	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10400	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,4',5-	389	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	190	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3',4,5-	142	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3,4',6-	4900	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	314	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 2,3',5',6-	194	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	823	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	434	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,2',3-	885	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,2',4-	1320	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,2',5-	2370	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,2',6-	323	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3,3'-	4300	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3,4'-	1230	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3,4-	2080	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3',4-	689	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3',5'-	42.4	pg/g	J			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3',5-	1630	pg/g	C			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,3',6-	245	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,4',5-	3630	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 2,4',6-	758	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 3,3',4-	84	pg/g	JK	J	VJ	
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 3,4,4'-	1130	pg/g				✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-2-3-07/23/2022	20104012	E1668	Trichlorobiphenyl; 3,4',5-	71.8	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	2-CHLOROBIPHENYL	124	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	4,4'-DICHLOROBIPHENYL	1150	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Chlorobiphenyl; 3-	40.8	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Chlorobiphenyl; 4-	142	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	DECACHLOROBIPHENYL	1950	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,2'-	778	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,3'-	659	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,4'-	2720	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,4-	129	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,5-	185	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 2,6-	41.4	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 3,3'-	126	pg/g	BJ	U	MBL	
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 3,4-	213	pg/g	CJ			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9690	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3410	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1870	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	12400	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7540	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	535	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1650	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3090	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5460	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24400	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	90.9	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	72.1	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8470	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	17700	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	35.4	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	363	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1820	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	346	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	4390	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2530	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	36800	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	11200	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	325	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	906	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15000	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1680	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5450	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	986	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	624	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	5700	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7450	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	72.8	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1380	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	200	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	30400	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	9.09	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	183	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	21.4	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	33700	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1090	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	8.57	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3260	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	2510	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2690	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	37.3	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	2960	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	309	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	793	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4890	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2900	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1910	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1070	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6990	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	844	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1230	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	4090	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	270	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	PCB-167	1100	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	PCB-82	2310	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1410	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5370	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3310	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	13500	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	27100	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	204	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4260	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	721	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	7240	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	128	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	338	pg/g	CJ			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	21000	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	183	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	13200	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	941	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	13.9	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	6020	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	642	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	241	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1780	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	28200	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	49.5	pg/g	JK	J	VJ	
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	297	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	213	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	21800	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	275	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	22.1	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	77	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Polychlorinated Biphenyl (PCB)	582000	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	TETRACHLORO 1,1'-BIPHENYL	18400	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3680	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2680	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,4-	282	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10000	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,5-	409	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	439	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1390	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8220	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1410	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1490	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15100	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	26.5	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3810	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	147	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,3',6-	774	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	620	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10200	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,4',5-	419	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	259	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3',4,5-	174	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3640	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	450	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 2,3',5',6-	263	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1020	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	272	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,2',3-	1750	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,2',4-	2450	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,2',5-	4480	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,2',6-	541	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3,3'-	6670	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3,4'-	1830	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3,4-	3220	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3',4-	470	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3',5'-	80.9	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3',5-	916	pg/g	C			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,3',6-	392	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,4',5-	4840	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 2,4',6-	1210	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 3,3',4-	84.6	pg/g	J			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 3,4,4'-	1460	pg/g				✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-3-4-07/23/2022	20104013	E1668	Trichlorobiphenyl; 3,4',5-	71.3	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	2-CHLOROBIPHENYL	98	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	4,4'-DICHLOROBIPHENYL	548	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Chlorobiphenyl; 3-	41.4	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Chlorobiphenyl; 4-	94.3	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	DECACHLOROBIPHENYL	1320	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,2'-	345	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,3'-	290	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,4'-	1080	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,4-	52.4	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,5-	73	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 2,6-	22.7	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 3,3'-	100	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 3,4-	115	pg/g	CJ			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	7000	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2370	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1370	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8040	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5180	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	334	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1060	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1980	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3630	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	17400	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	92	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	40.7	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5460	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	11100	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	22.1	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	263	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1340	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	246	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2360	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1560	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	21300	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6940	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	188	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	715	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9700	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1010	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3660	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	527	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	402	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3250	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5390	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	860	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	168	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	20500	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	125	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	11.5	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	22200	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	841	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2000	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1220	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1540	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	25.5	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1900	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	216	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	482	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4170	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2160	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1560	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	739	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4980	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	585	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	936	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2990	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	204	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	PCB-167	673	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	PCB-82	1270	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	867	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3320	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1980	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7970	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	17500	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	114	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2870	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	451	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4880	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	65.7	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	275	pg/g	CJ			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14000	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	106	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8850	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	656	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	4.67	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3080	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	369	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	174	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1210	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	17100	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	40	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	180	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	135	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	13000	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	192	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	14.9	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	34.5	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Polychlorinated Biphenyl (PCB)	378000	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	TETRACHLORO 1,1'-BIPHENYL	13500	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2630	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1890	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,4-	104	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	7040	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,5-	263	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	271	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',3,6-	895	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5880	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1010	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	782	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	9990	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	15.3	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3020	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	112	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	18.7	pg/g	JK	J	VJ	
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	551	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	394	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7930	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	299	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	204	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	125	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	2510	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	360	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	632	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	286	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,2',3'-	784	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,2',4'-	1350	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,2',5'-	2190	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,2',6'-	243	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3,3'-	4470	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3,4'-	1040	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3,4'-	1790	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3',4'-	303	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3',5'-	53.6	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3',5'-	530	pg/g	C			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,3',6'-	179	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,4',5'-	3060	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 2,4',6-	641	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 3,3',4-	59.8	pg/g	J			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 3,4,4'-	966	pg/g				✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-4-5-07/23/2022	20104014	E1668	Trichlorobiphenyl; 3,4',5-	70	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	2-CHLOROBIPHENYL	92.4	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	4,4'-DICHLOROBIPHENYL	383	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Chlorobiphenyl; 3-	24.3	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Chlorobiphenyl; 4-	81.8	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	DECACHLOROBIPHENYL	904	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,2'-	169	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,3'-	119	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,4'-	447	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,4-	32	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,5-	41.6	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 2,6-	12.7	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 3,3'-	151	pg/g	BJ	U	MBL	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 3,4-	72.3	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4120	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1420	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	799	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5150	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3070	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	214	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	664	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1130	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2240	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	10400	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	35	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	25.5	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3400	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	6690	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	151	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	790	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	145	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1470	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	977	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	13000	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4460	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	127	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	332	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5930	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	660	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2110	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	305	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	224	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1970	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2930	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	525	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	62.1	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	12000	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	41.2	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	13000	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	354	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1100	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	788	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	928	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	978	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	128	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	251	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2400	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1270	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	920	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	447	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2890	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	334	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	529	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1740	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	117	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	PCB-167	396	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	PCB-82	972	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	633	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2170	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1320	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5460	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	10800	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	104	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1460	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	290	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3010	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	45.3	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	105	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	8520	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	66.2	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4960	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	308	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2080	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	223	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	101	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	765	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	10700	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	20.5	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	101	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	65.3	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	8020	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	106	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Polychlorinated Biphenyl (PCB)	230000	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	TETRACHLORO 1,1'-BIPHENYL	8920	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1780	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1190	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,4-	132	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4460	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,5-	206	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	169	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',3,6-	555	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3380	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',4,5-	736	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',4,6-	431	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6260	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.97	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2050	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	69.1	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,3',6-	356	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	410	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4850	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,4',5-	228	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	97.7	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3',4,5-	100	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1760	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	187	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	383	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	89.7	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,2',3-	435	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,2',4-	700	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,2',5-	1190	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,2',6-	127	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3,3'-	2640	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3,4'-	676	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3,4-	1000	pg/g	C			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3',4-	168	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3',5'-	34.9	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3',5-	322	pg/g	CJ			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,3',6-	94.6	pg/g	JK	J	VJ	
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,4',5-	1890	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 2,4',6-	362	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 3,3',4-	50	pg/g	J			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 3,4,4'-	682	pg/g				✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C25-5-6-07/23/2022	20104015	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	2-CHLOROBIPHENYL	300	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	4,4'-DICHLOROBIPHENYL	1750	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Chlorobiphenyl; 3-	216	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Chlorobiphenyl; 4-	432	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	DECACHLOROBIPHENYL	1200	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,2'-	983	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,3'-	501	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,4'-	1770	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,4-	58.7	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,5-	77.1	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 2,6-	54	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 3,3'-	598	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 3,4-	1320	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5360	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1770	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	973	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5660	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3810	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	229	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	758	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1450	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2520	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	12100	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	60.8	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	54.2	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3800	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7820	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	27.9	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	224	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1040	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	191	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3080	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1590	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	22400	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	8120	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	266	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	734	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	8820	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1240	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3450	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	816	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	505	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3170	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5060	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	748	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	199	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	19300	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	127	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	24.1	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	20200	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	879	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2700	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1640	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	66.5	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1690	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	22.2	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1860	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	196	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	531	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2690	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1430	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1000	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3470	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	391	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	692	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2090	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	133	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	PCB-167	863	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	PCB-82	1660	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1340	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4700	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2460	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11000	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	21200	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	153	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3490	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	660	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5690	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	106	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	369	pg/g	CJ			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	18200	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	127	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	10900	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	642	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	8.93	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4390	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	524	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	190	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1450	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	22900	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	47.5	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	262	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	177	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	17700	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	241	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	22.1	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	40.5	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	37.8	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Polychlorinated Biphenyl (PCB)	378000	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	TETRACHLORO 1,1'-BIPHENYL	11600	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1960	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1430	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,4-	82.7	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	7010	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,5-	243	pg/g	K	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	184	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	724	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5680	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	580	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	719	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	11500	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	50.5	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1880	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	103	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,3',5-	28.4	pg/g	JK	J	VJ	
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	433	pg/g	CJ			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	335	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6400	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	259	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	248	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	121	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2090	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	319	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	491	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	257	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,2',3-	317	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,2',4-	1300	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,2',5-	954	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,2',6-	463	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3,3'-	3220	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3,4'-	547	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3,4-	950	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3',4-	419	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3',5'-	33.2	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3',5-	765	pg/g	C			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,3',6-	317	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,4',5-	2230	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 2,4',6-	756	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 3,3',4-	54.7	pg/g	J			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 3,4,4'-	743	pg/g				✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E23-1-2-07/23/2022	20104016	E1668	Trichlorobiphenyl; 3,4',5-	51.7	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	2-CHLOROBIPHENYL	581	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	4,4'-DICHLOROBIPHENYL	1190	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Chlorobiphenyl; 3-	103	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Chlorobiphenyl; 4-	409	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	DECACHLOROBIPHENYL	1010	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,2'-	2490	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,3'-	665	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,4'-	2170	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,4-	96.7	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,5-	120	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 2,6-	76.3	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 3,3'-	317	pg/g	B			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 3,4-	425	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	6290	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2080	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1170	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7100	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4530	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	286	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	942	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1730	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3170	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	14800	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	52.4	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	50.1	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4700	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	9530	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	34.8	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	247	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1260	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	236	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3490	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1790	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	26000	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	9090	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	316	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	771	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	10500	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1420	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4060	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	843	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	554	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3950	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5540	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	489	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	203	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	22300	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	138	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	78.7	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	23000	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	869	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	8.89	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	3010	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1970	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	77.3	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1940	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	33.2	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2140	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	184	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	586	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3280	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1680	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1210	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	557	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4240	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	465	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	888	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2500	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	162	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	PCB-167	994	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	PCB-82	2550	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1640	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	6820	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3750	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	15600	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	29000	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	234	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4700	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	804	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	7350	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	225	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	741	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	24700	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	228	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	13400	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	775	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	29	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	6750	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	758	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	259	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	1760	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	30700	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	50.5	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	408	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	269	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	23400	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	230	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	25.7	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	56	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	34.8	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Polychlorinated Biphenyl (PCB)	496000	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	TETRACHLORO 1,1'-BIPHENYL	18900	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3150	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2220	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,4-	213	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	12600	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,5-	399	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	322	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1520	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8230	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1040	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',4,6-	997	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	18800	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	70.1	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3150	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	110	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,3',5-	39.7	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,3',6-	695	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	629	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9380	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,4',5-	454	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	286	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3',4,5-	190	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3500	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	424	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	733	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	305	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,2',3-	800	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,2',4-	1830	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,2',5-	2110	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,2',6-	673	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3,3'-	5060	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3,4'-	1080	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3,4-	1670	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3',4-	588	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3',5'-	51.4	pg/g	J			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3',5-	923	pg/g	C			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,3',6-	387	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,4',5-	3410	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 2,4',6-	1020	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 3,3',4-	68.5	pg/g	JK	J	VJ	
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 3,4,4'-	1140	pg/g				✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E23-2-3-07/23/2022	20104017	E1668	Trichlorobiphenyl; 3,4',5-	69	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	2,3-DICHLOROBIPHENYL	240	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	2-CHLOROBIPHENYL	6100	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	4,4'-DICHLOROBIPHENYL	1180	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Chlorobiphenyl; 3-	605	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Chlorobiphenyl; 4-	2140	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	DECACHLOROBIPHENYL	777	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,2'-	2070	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,3'-	1160	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,4'-	3040	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,4-	488	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,5-	520	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 2,6-	235	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 3,3'-	324	pg/g	BJK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 3,4-	485	pg/g	CJK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9020	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3210	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1650	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8550	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6530	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	486	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1330	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2380	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4320	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	18600	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	6550	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	12000	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	384	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1730	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	405	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	10700	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4830	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	71500	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	24800	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	1230	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1910	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	20600	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	4560	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	7720	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	3700	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1520	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	10000	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	12600	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2740	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	466	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	49800	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	255	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	59.4	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	51500	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1950	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7720	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	6200	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-	285	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	264	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4500	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2000	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	275	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	652	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3160	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2060	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1380	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	680	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4470	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	604	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1050	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2750	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	181	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	PCB-167	2470	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	PCB-82	6380	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3420	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	16000	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7800	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	38700	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	47600	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	355	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	9250	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1410	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	13200	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	586	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	58900	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	323	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	25100	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	982	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	16700	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	2050	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	705	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-	3750	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',4,6-	73700	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	995	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	640	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	55300	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	413	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Polychlorinated Biphenyl (PCB)	950000	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	TETRACHLORO 1,1'-BIPHENYL	31700	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2940	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2150	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	16400	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,5-	489	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	258	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	714	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	11700	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	741	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	1030	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	40600	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3150	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	172	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	536	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	781	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	11900	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	389	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	472	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	116	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	4090	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	657	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1090	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	615	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,2',3-	492	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,2',4-	831	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,2',5-	1330	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,2',6-	175	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3,3'-	3150	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3,4'-	661	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3,4-	1610	pg/g	C			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3',4-	365	pg/g	J			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3',5-	522	pg/g	CJ			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,3',6-	149	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,4',5-	2440	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 2,4',6-	512	pg/g	JK	J	VJ	
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 3,4,4'-	793	pg/g				✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C05-1-2-07/24/2022	20104018	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	2-CHLOROBIPHENYL	90.2	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	4,4'-DICHLOROBIPHENYL	348	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Chlorobiphenyl; 3-	36.7	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Chlorobiphenyl; 4-	64.9	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	DECACHLOROBIPHENYL	1010	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,2'-	82.6	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,3'-	99.2	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,4'-	344	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 3,3'-	97.8	pg/g	BJ	U	MBL	
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 3,4-	76.5	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4460	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1610	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	864	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5080	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3350	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	269	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	859	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1450	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2730	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	10400	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	56.1	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	47.8	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3820	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	8730	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	29	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	215	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	843	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	163	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2950	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1520	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	22100	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6570	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	216	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	594	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9260	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1030	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3730	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	835	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	434	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3000	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4710	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	939	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	187	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	18200	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	185	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	15.3	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	20600	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1030	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	9.09	pg/g	JK	J	VJ	
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2290	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1410	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	52.8	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1480	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	24.7	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1360	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	160	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	387	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2080	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1400	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	834	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	483	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3170	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	390	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	592	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1890	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	124	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	PCB-167	732	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	PCB-82	1000	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	882	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3110	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1580	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7560	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	16000	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	76.1	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2740	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	385	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4170	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	50.5	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	291	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	13000	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	92.2	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8840	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	561	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3020	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	354	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	134	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	999	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	17200	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	37.5	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	168	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	126	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	12400	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	224	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	38.5	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Polychlorinated Biphenyl (PCB)	327000	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	TETRACHLORO 1,1'-BIPHENYL	10400	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1580	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1110	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,4-	37.6	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5340	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,5-	131	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	161	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',3,6-	532	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4580	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',4,5-	496	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',4,6-	498	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8400	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1900	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	76.9	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,3',6-	307	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	201	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7590	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,4',5-	185	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	263	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3',4,5-	63	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1720	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	317	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	582	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	228	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,2',3-	269	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,2',4-	623	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,2',5-	984	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,2',6-	68	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3,3'-	8030	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3,4'-	1070	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3,4-	2440	pg/g	C			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3',4-	232	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3',5'-	60.8	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3',5-	349	pg/g	CJ			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,3',6-	79.8	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,4',5-	4430	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 2,4',6-	465	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 3,3',4-	38.5	pg/g	J			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 3,4,4'-	1670	pg/g				✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C05-2-3-07/24/2022	20104019	E1668	Trichlorobiphenyl; 3,4',5-	68.3	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	2-CHLOROBIPHENYL	59.8	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	4,4'-DICHLOROBIPHENYL	189	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Chlorobiphenyl; 3-	14.8	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Chlorobiphenyl; 4-	43.1	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	DECACHLOROBIPHENYL	607	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,2'-	69	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,3'-	65.1	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,4'-	198	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,4-	14	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 3,3'-	59.2	pg/g	BJ	U	MBL	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 3,4-	48.3	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3010	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	990	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	515	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2970	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1960	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	136	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	436	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	771	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1460	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6370	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	31.8	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	31.2	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2130	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4160	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	21.8	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	133	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	567	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	104	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1870	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	969	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	13800	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4880	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	182	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	406	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5330	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	719	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2330	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	559	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	308	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2090	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2960	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	568	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	113	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	12600	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	113	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	12.3	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12300	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	569	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	7.44	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1670	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	996	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	50.3	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	941	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	779	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	90.4	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	216	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1460	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	837	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	592	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	262	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1740	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	208	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	333	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1130	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	72.3	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	PCB-167	528	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	PCB-82	1110	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	800	pg/g	K	J	VJ	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3180	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1510	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7270	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	14000	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	84.5	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2350	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	361	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3370	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	46	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	201	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	13000	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	74.6	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6660	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	371	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3270	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	371	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	150	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	826	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	14700	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	29.1	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	200	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	112	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	10900	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	124	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Polychlorinated Biphenyl (PCB)	228000	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	TETRACHLORO 1,1'-BIPHENYL	8020	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1130	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	890	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,4-	70.4	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4510	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	129	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	110	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	306	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3710	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	323	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	309	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8300	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1250	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	61.9	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	26.9	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	210	pg/g	CJ			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	294	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3820	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	130	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	200	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	61.8	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1250	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	240	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	234	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	201	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,2',3-	157	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,2',4-	275	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,2',5-	451	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,2',6-	50.2	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3,3'-	1300	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3,4'-	281	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3,4-	639	pg/g	C			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3',4-	113	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3',5'-	20.2	pg/g	JK	J	VJ	
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3',5-	194	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,3',6-	52	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,4',5-	918	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 2,4',6-	190	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 3,3',4-	31.6	pg/g	J			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 3,4,4'-	356	pg/g				✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C05-3-4-07/24/2022	20104020	E1668	Trichlorobiphenyl; 3,4',5-	47	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Chlorobiphenyl; 4-	7.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	DECACHLOROBIPHENYL	42.3	pg/g	BJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,3'-	11.1	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,4'-	10.5	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 3,3'-	29.3	pg/g	BJ	U	MBL	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	135	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	53.1	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	26.4	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	155	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	270	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	15.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	58.4	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	144	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	200	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	323	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	139	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	653	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	7.48	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	36.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	4.68	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	33.4	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	46.4	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	701	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	402	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	89.1	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	604	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	42.6	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	299	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	91.4	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	71.2	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	237	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	26	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	37.5	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	1390	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	40.1	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	666	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	247	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	30.3	pg/g	BCJ	U	MBL	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	23.9	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	32.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	21.5	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	60.5	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	17.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	102	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	61.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	52.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	123	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	27.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	37	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	93.6	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	PCB-167	10.3	pg/g	BJK	U	MBL	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	PCB-82	17.6	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	39.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	98.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	24.9	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	309	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	811	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	215	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	455	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	56	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1250	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	3.19	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	377	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	149	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	35.5	pg/g	BJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	42.7	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	713	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	8.56	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	231	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	20.8	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	25.9	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Polychlorinated Biphenyl (PCB)	17200	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	TETRACHLORO 1,1'-BIPHENYL	287	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	36	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	25.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	182	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	4.5	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',3,6-	15	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	918	pg/g	C			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',4,6-	16.5	pg/g	CJK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2060	pg/g				✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	37	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,3',5-	11.3	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,3',6-	25.4	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	122	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	23.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3,4',6-	31.4	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	44.3	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,2',3-	7.34	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,2',4-	15.7	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,2',5-	27.5	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3,3'-	62.7	pg/g	BCJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3,4'-	12	pg/g	JK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3,4-	21.7	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3',4-	33.9	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3',5-	148	pg/g	CJ			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,4',5-	46.2	pg/g	BJK	J	VJ	
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 2,4',6-	9.84	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 3,4,4'-	7.57	pg/g	J			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C05-4-5-07/24/2022	20104021	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20069

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on Dredge Elutriate Test (DRET) samples and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	E1668	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, April 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20360	SIB-SED-C22-09052022 DRET 1 g/L	20360001	WS	✓
20360	SIB-SED-C22-09052022 DRET 10 g/L	20360002	WS	✓
20360	SIB-SED-D05-09052022 DRET 1 g/L	20360003	WS	✓
20360	SIB-SED-D05-09052022 DRET 10 g/L	20360004	WS	✓
20360	SIB-SED-F14-09052022 DRET 1 g/L	20360005	WS	✓
20360	SIB-SED-F14-09052022 DRET 10 g/L	20360006	WS	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of Dredge Elutriate Test (DRET) samples and the associated laboratory quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20360	6 Elutriate	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

Several results reported in the PDF are coelutions of two or more PCB congeners. In the EDD, these coelutions should be reported in the "custom field 1" field. For this SDG, only one of the coeluting PCB congeners is listed in this field. For example, PCB-12/13 from the PDF was reported as 3,4-dichlorobiphenyl (12) in the EDD. No changes were made to the EDD.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	1	Reporting Limits
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Quantitation

✓ *Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values are considered as positive identifications which are "estimated maximum possible concentrations". When these occurred in the method blank, the results were evaluated. When these occurred in the associated samples, EMPC values that were less than the action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SED-C22-09052022 DRET 1 g/L	PCB-2	U-MBL
	PCB-3	U-MBL
	PCB-11	U-MBL
SIB-SED-C22-09052022 DRET 10 g/L	PCB-1	U-MBL
	PCB-3	U-MBL
	PCB-11	U-MBL
SIB-SED-D05-09052022 DRET 1 g/L	PCB-1	U-MBL
	PCB-2	U-MBL
	PCB-3	U-MBL
	PCB-4	U-MBL
	PCB-6	U-MBL
	PCB-11	U-MBL
	PCB-16	U-MBL
	PCB-18/30	U-MBL
	PCB-19	U-MBL
	PCB-22	U-MBL
PCB-32	U-MBL	
SIB-SED-D05-09052022 DRET 10 g/L	PCB-2	U-MBL
	PCB-3	U-MBL
	PCB-11	U-MBL
SIB-SED-F14-09052022 DRET 1 g/L	PCB-2	U-MBL
	PCB-6	U-MBL
	PCB-11	U-MBL
	PCB-16	U-MBL
	PCB-22	U-MBL

Field Blanks

No samples identified as field blanks were submitted.

Matrix Spike / Matrix Spike Duplicates

No matrix spike/matrix spike duplicate samples were analyzed. Accuracy and precision were evaluated using the LCS/LCSD samples.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

No field duplicates were submitted with this data set.

Reporting Limits

The laboratory practical quantitation limits (PQL) were greater than those provided in the QAPP. Although some individual congeners were reported as not detected at elevated detection limits, this did not impact data usability, as the overall total PCB concentrations for all samples were greater than the site CUL.

For Sample SIB-SED-F14-09052022 DRET 10 g/L, a smaller sample aliquot was extracted due to high concentration of target analytes. Reporting limits were adjusted accordingly.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were estimated (J-VJ).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the labeled compound and LCS/LCSD recoveries. Precision was also acceptable as demonstrated by the LCS/LCSD relative percent difference (RPD) values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
-----	-----------------------------------------------------------------------------------------

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	2-CHLOROBIPHENYL	23.7	pg/l	BJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	4,4'-DICHLOROBIPHENYL	47.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Chlorobiphenyl; 3-	6.15	pg/l	BJK	U	MBL	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Chlorobiphenyl; 4-	11.3	pg/l	BJ	U	MBL	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	DECACHLOROBIPHENYL	251	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,2'-	83.8	pg/l	BJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,3'-	45.3	pg/l	BJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,4'-	134	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,4-	7.94	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,5-	10.4	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 2,6-	3.25	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 3,3'-	94.4	pg/l	BJ	U	MBL	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 3,4-	17	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1400	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	472	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	282	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1620	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1000	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	70.6	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	212	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	385	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	708	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3580	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	14.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	8.54	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1090	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2180	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	4.53	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	47.5	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	280	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	55.2	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	524	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	317	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	4530	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1430	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	41.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	134	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1960	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	134	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	671	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	119	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	89.3	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	725	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1050	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	201	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	32.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	4430	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	21.2	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	3.39	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	4630	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	163	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	1.5	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	406	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	311	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	10.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	350	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	4.79	pg/l	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-	13.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	314	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	40	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	90.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	801	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	417	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	307	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	138	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	923	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	105	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	159	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	571	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	36.4	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	PCB-167	140	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	PCB-82	276	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	348	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	687	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	428	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1730	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	3730	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	22.3	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	587	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	96.9	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1000	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	17.6	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	64.8	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2760	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	20.2	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1890	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	124	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	2.44	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	713	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	84.2	pg/l	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	32.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	265	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	3950	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	7.29	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	41	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	27.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	2840	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	49.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	3.49	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	11	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Polychlorinated Biphenyl (PCB)	76700	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	TETRACHLORO 1,1'-BIPHENYL	2500	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	496	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	401	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	37	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1500	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,5-	33.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	129	pg/l	K	J	VJ	
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	171	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1330	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	134	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	146	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1990	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.92	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	476	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	19.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,3',6-	102	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	51.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1540	pg/l				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,4,5-	64.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	56	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3',4,5-	34.3	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	494	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	93.6	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	91.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	57.2	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,2',3-	136	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,2',4-	193	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,2',5-	300	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,2',6-	47.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3,3'-	628	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3,4'-	132	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3,4-	257	pg/l	C			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3',4-	89.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3',5'-	9.34	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3',5-	171	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,3',6-	23.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,4',5-	422	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 2,4',6-	123	pg/l				✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 3,3',4-	8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 3,3',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 3,4,4'-	90.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 3,4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 1 G/L	20360001	E1668	Trichlorobiphenyl; 3,4',5-	11.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	2-CHLOROBIPHENYL	13.9	pg/l	BJ	U	MBL	
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	4,4'-DICHLOROBIPHENYL	111	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Chlorobiphenyl; 3-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Chlorobiphenyl; 4-	13.6	pg/l	BJ	U	MBL	
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	DECACHLOROBIPHENYL	1390	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,2'-	208	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,3'-	92.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,4'-	163	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,4-	18.5	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,5-	24.1	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 2,6-	12.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 3,3'-	105	pg/l	B	U	MBL	
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 3,4-	31.5	pg/l	CJ			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5060	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1730	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1010	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6060	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3690	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	251	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	792	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1450	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2710	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	12900	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	50.4	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	28.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4210	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	4.21	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7920	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	15.8	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	166	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	975	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	194	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1850	pg/l	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1140	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	16100	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5260	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	152	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	510	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7480	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	561	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2510	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	402	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	335	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2720	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3760	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	745	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	122	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	17800	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	3.46	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	85.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	13.9	pg/l	JK	J	VJ	
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	16600	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	624	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	3.61	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1400	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1090	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	55.3	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1260	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	15.4	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-	56.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1110	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	149	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	350	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2790	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1510	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1090	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	509	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3370	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	403	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	565	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2050	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	128	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	PCB-167	485	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	PCB-82	978	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	676	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2450	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1650	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6230	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13500	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	84.3	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2200	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	372	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3710	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	64.4	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	234	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9270	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	73.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7320	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	470	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	7.76	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2350	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	293	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	119	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	928	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	13900	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	28.9	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	147	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	105	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9700	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	178	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	12.2	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	34.6	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Polychlorinated Biphenyl (PCB)	277000	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	TETRACHLORO 1,1'-BIPHENYL	8590	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1760	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1480	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	121	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5390	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	131	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	171	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	624	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4880	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	502	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	559	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7150	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	25.7	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1630	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	80.3	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,3',6-	383	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	173	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5290	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,4',5-	233	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	202	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3',4,5-	114	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1760	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	344	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	311	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	204	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,2',3-	453	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,2',4-	671	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,2',5-	1010	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,2',6-	143	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3,3'-	2100	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3,4'-	398	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3,4-	809	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3',4-	327	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3',5'-	34.6	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3',5-	602	pg/l	C			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3,6-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,3',6-	81	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,4',5-	1380	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 2,4',6-	421	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 3,3',4-	22.1	pg/l	J			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 3,3',5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 3,4,4'-	294	pg/l				✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 3,4,5-		pg/l	U			✓
SIB-SED-C22-09052022 DRET 10 G/L	20360002	E1668	Trichlorobiphenyl; 3,4',5-	44.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	2-CHLOROBIPHENYL	9.04	pg/l	BJK	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	4,4'-DICHLOROBIPHENYL	13.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Chlorobiphenyl; 3-	4.03	pg/l	BJK	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Chlorobiphenyl; 4-	5.4	pg/l	BJK	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	DECACHLOROBIPHENYL	197	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,2'-	49.5	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,3'-	19	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,4'-	51	pg/l	BJ			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,4-	2.59	pg/l	JK	J	VJ	
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,5-	3.51	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 2,6-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 3,3'-	81.3	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 3,4-	6.16	pg/l	CJ			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	235	pg/l				✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	79.9	pg/l	CJ			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	46.8	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	258	pg/l				✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	164	pg/l				✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	12.1	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	39	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	69.8	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	122	pg/l				✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	573	pg/l	C			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	182	pg/l	CJ			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	372	pg/l				✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	8.23	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	43.1	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	9.43	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	114	pg/l	CJ			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	69.7	pg/l	J			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	914	pg/l	C			✓
SIB-SED-D05-09052022	DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	308	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	9.26	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	29.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	368	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	27.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	154	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	34.5	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	21.1	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	126	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	216	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	34.1	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	8.52	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	980	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	7.84	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	932	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	46.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	83.6	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	52.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	3.96	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	67.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	155	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	14.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	64.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	128	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	75.4	pg/l	J			✓

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Swan Island Basin**

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SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	47.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	28.4	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	186	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	22.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	38	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	109	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	5.62	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	PCB-167	27.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	PCB-82	46.7	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	94.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	183	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	108	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	406	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	932	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	176	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	25	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	227	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	18.8	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	768	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	5.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	474	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	33.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	111	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	16.1	pg/l	CJK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	7.19	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	56.5	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	987	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	4.23	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	4.12	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	600	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	12	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Polychlorinated Biphenyl (PCB)	16400	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	TETRACHLORO 1,1'-BIPHENYL	502	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	94.4	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	86.7	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	8.95	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	351	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	8.99	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	24.4	pg/l	BCJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	360	pg/l	C			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	17.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	26.3	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	512	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	74.1	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	5.29	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	19.7	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	8.32	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	304	pg/l				✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	10.3	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	21.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	77.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	28.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	11.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	17.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,2',3'-	31.5	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,2',4'-	36.3	pg/l	BJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,2',5'-	69	pg/l	BCJ	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,2',6'-	14.4	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3,3'-	96.1	pg/l	BCJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3,4'-	22.7	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3,4'-	49.4	pg/l	BCJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3',4'-	13.1	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3',5'-	1.98	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3',5'-	17.2	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,3',6'-	6.05	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,4',5'-	72.2	pg/l	BJ			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 2,4',6'-	23	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 3,3',4'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 3,3',5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 3,4,4'-	12.3	pg/l	J			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 3,4,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 1 G/L	20360003	E1668	Trichlorobiphenyl; 3,4',5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	2-CHLOROBIPHENYL	25.1	pg/l	BJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	4,4'-DICHLOROBIPHENYL	31.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Chlorobiphenyl; 3-	6.92	pg/l	BJK	U	MBL	
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Chlorobiphenyl; 4-	11.7	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	DECACHLOROBIPHENYL	1250	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,2'-	67.7	pg/l	BJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,3'-	52.4	pg/l	BJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,4'-	99.5	pg/l	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required	
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,4-	8.35	pg/l	JK	J	VJ	
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,5-	13.4	pg/l	JK	J	VJ	
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 2,6-	4.2	pg/l	JK	J	VJ	
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 3,3'-	91.5	pg/l	BJ	U	MBL	
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 3,4-	16	pg/l	CJ			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1290	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	466	pg/l	C			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	264	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1540	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	992	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	75.6	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	236	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	450	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	809	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3190	pg/l	C			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	19.4	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	10.8	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1150	pg/l	C			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2250	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	12	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	52.9	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	249	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	46.5	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/l	U			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	711	pg/l	C			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	419	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	5730	pg/l	C			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1980	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	62.3	pg/l	J			✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	200	pg/l				✓
SIB-SED-D05-09052022	DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2490	pg/l	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	222	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1120	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	180	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	136	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	831	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1410	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	227	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	63.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7170	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	62.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	5.43	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	5960	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	321	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.22	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	513	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	318	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	19.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	433	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	7.16	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1010	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	85.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	400	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	753	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	468	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	293	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	154	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1130	pg/l	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	137	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	228	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	664	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	44.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	PCB-167	179	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	PCB-82	305	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	331	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1260	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	552	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2640	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	6340	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	26.5	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1190	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	187	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1620	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	20.9	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	120	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	4800	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	32.3	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3490	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	253	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	3.94	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	633	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	107	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	41.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	353	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	6330	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	15.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	38.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	35.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	3640	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	83.5	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	7.12	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Polychlorinated Biphenyl (PCB)	104000	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	TETRACHLORO 1,1'-BIPHENYL	2940	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	541	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	605	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,4-	57.3	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	2260	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,5-	31.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	52.1	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	142	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2440	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	116	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	163	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	3300	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	4.09	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	418	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	42.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,3',6-	123	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	34	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1820	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,4',5-	61.3	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	131	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3',4,5-	21.7	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3,4',6-	478	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	194	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	66.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	108	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,2',3-	94.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,2',4-	149	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,2',5-	228	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,2',6-	33.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3,3'-	475	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3,4'-	84.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3,4-	238	pg/l	C			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3',4-	71.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3,5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3',5'-	11.4	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3',5-	76.6	pg/l	CJ			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3,6-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,3',6-	19.8	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,4',5-	334	pg/l				✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 2,4',6-	96	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 3,3',4-	12.6	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 3,3',5-		pg/l	U			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 3,4,4'-	68.2	pg/l	J			✓
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 3,4,5-	8.2	pg/l	JK	J	VJ	
SIB-SED-D05-09052022 DRET 10 G/L	20360004	E1668	Trichlorobiphenyl; 3,4',5-	25.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	2-CHLOROBIPHENYL	76	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	4,4'-DICHLOROBIPHENYL	245	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Chlorobiphenyl; 3-	6.99	pg/l	BJ	U	MBL	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Chlorobiphenyl; 4-	36.1	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	DECACHLOROBIPHENYL	14.2	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,2'-	3710	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,3'-	42.8	pg/l	BJ	U	MBL	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,4'-	144	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,4-	10.2	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,5-	13.3	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 2,6-	123	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 3,3'-	82	pg/l	BJ	U	MBL	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 3,4-	53.3	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1710	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	552	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	276	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1570	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1010	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	71.8	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	226	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	395	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	737	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3910	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	10.3	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	10.2	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1170	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2050	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	16.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	70.4	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	359	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	70.4	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	187	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	138	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	3540	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	853	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	16.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	126	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1800	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	104	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	621	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	51.9	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	690	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	710	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	7.59	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	171	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	55.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	4140	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	3.34	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	76.3	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	71.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3920	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	186	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	21.2	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	238	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	258	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	10.1	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,6-	283	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	17.1	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	165	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	25.2	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	29.8	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	836	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	475	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	384	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	143	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	789	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	98.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	118	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	549	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	46.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	PCB-167	93.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	PCB-82	20.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	129	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	117	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	146	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	594	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1870	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	10.8	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1130	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	274	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	532	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	246	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	1720	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1230	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	196	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	833	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	557	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	203	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	36.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	8.05	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	57.4	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	823	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	9.74	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	395	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	24.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	49.1	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Polychlorinated Biphenyl (PCB)	99200	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	TETRACHLORO 1,1'-BIPHENYL	214	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	863	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	94.6	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,4-	39.8	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	12800	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	140	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	6850	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4110	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	49	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3130	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1280	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	1800	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	25.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	355	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	205	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	38	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	121	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3',4,5-	45.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	65.8	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	30	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 2,3',5',6-	251	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	6.58	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	10.5	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,2',3-	38.4	pg/l	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,2',4-	3070	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,2',5-	173	pg/l	BCJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,2',6-	7980	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3,3'-	517	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3,4'-	25.2	pg/l	BJ	U	MBL	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3,4-	295	pg/l	C			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3',4-	188	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3',5-	41.1	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,3',6-	690	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,4',5-	176	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 2,4',6-	1510	pg/l				✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 3,3',4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 3,3',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 3,4,4'-	33.9	pg/l	J			✓
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 3,4,5-	5.85	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 1 G/L	20360005	E1668	Trichlorobiphenyl; 3,4',5-	10.9	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	2,3-DICHLOROBIPHENYL		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	2-CHLOROBIPHENYL	68.6	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	4,4'-DICHLOROBIPHENYL	402	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Chlorobiphenyl; 3-	51.7	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Chlorobiphenyl; 4-	84.3	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	DECACHLOROBIPHENYL	80.9	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,2'-	5180	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,3'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 2,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 3,3'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 3,4-		pg/l	CU			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Dichlorobiphenyl; 3,5-		pg/l	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5'-	3330	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6'-	1050	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	568	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3000	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2090	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	131	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	423	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6'-	857	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1360	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7750	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6'-	2620	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	4000	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	44.1	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	149	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	734	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	159	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	357	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	325	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	7270	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1740	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	317	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3710	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	332	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1270	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	122	pg/l	CJK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1190	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1560	pg/l	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	350	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	139	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7600	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	171	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	145	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	7900	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	484	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	51.7	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	461	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	500	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	466	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	410	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2060	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1020	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	852	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	285	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1650	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	201	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	274	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1200	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	101	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	PCB-167	191	pg/l	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	PCB-82		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	273	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	381	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1360	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	4250	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2560	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	751	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1240	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	573	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	4270	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2760	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	450	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2060	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1310	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	565	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	87.3	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/l	CU			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	129	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1690	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	788	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	61.9	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	122	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Polychlorinated Biphenyl (PCB)	204000	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	TETRACHLORO 1,1'-BIPHENYL	414	pg/l	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1910	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	220	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	28400	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,5-	85.6	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	493	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	17200	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8910	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',4,5-	156	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	7760	pg/l	C			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	3060	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	3960	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	56.8	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,3',6-	827	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	435	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,4',5-	78.8	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	248	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3',4,5-	71.2	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	168	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	70.8	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 2,3',5',6-	747	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,2',3-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,2',4-	5660	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,2',5-	250	pg/l	CJK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,2',6-	14400	pg/l				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3,3'-	908	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3,4-	257	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3',4-	239	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3',5'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3',5-	81.3	pg/l	CJ			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3,6-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,3',6-	1400	pg/l	J			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,4',5-	278	pg/l	JK	J	VJ	
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 2,4',6-	2980	pg/l				✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 3,3',4-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 3,3',5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 3,4,4'-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 3,4,5-		pg/l	U			✓
SIB-SED-F14-09052022 DRET 10 G/L	20360006	E1668	Trichlorobiphenyl; 3,4',5-		pg/l	U			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20361

February 13, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on DRET elutriate and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20361	SIB-SED-C22-09052022 DRET 1 g/L	20361001	WS	✓
20361	SIB-SED-C22-09052022 DRET 10 g/L	20361002	WS	✓
20361	SIB-SED-D05-09052022 DRET 1 g/L	20361003	WS	✓
20361	SIB-SED-D05-09052022 DRET 10 g/L	20361004	WS	✓
20361	SIB-SED-F14-09052022 DRET 1 g/L	20361005	WS	✓
20361	SIB-SED-F14-09052022 DRET 10 g/L	20361006	WS	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of DRET elutriate samples and the associated laboratory quality control (QC) samples. All data received a full validation (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20361	6 DRET Elutriate	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

2	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	System Performance and Resolution Checks	1	Certified Reference Material
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Calibration Verification (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	✓	Compound Quantitation
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The elutriate samples were prepared by EcoAnalysts, Port Gamble, Washington within the required holding time and shipped to Cape Fear Analytical. All elutriates were extracted past the 30-day holding time at 56 days; all results were estimated (J/UJ-HTP).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SED-C22-09052022 DRET 1 G/L	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SED-C22-09052022 DRET 10 G/L	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SED-D05-09052022 DRET 1 G/L	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SED-D05-09052022 DRET 10 G/L	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SED-F14-09052022 DRET 1 G/L	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

No matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed. Accuracy was evaluated using the labeled compound and laboratory control sample recoveries and precision was evaluated using the laboratory control/laboratory control duplicate (LCS/LCSD) samples.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

No field duplicates were submitted.

Reporting Limits

Reporting limits were elevated for one or more samples due to sample volumes.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. No 2,3,7,8-TCDF was detected in these samples; confirmation was not required.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Calculation Verification

Calculation verifications were performed for this sample delivery group (SDG). No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable, as demonstrated by the labeled compound and LCS/LCSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to holding time outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	37.8	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	148	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.44	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.44	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.03	pg/l	BJK	UJ	HTP,MBL,VJ	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.97	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.24	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.16	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.72	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	Heptachlorodibenzo-P-Dioxin	298	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	HEXACHLORODIBENZOFURAN	52.9	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	34.2	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	OCTACHLORODIBENZOFURAN	105	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1860	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	PENTACHLORO DIBENZOFURAN	25.1	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	2.82	pg/l	BJK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 1 g/L	20361001	E1613B	TOTAL HpCDFs	126	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	141	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	477	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.48	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.6	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.96	pg/l	BJ	UJ	HTP,MBL	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.48	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.62	pg/l	BJ	UJ	HTP,MBL	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.24	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.68	pg/l	J	J	HTP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.6	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.7	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	Heptachlorodibenzo-P-Dioxin	984	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	HEXACHLORODIBENZOFURAN	152	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	120	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	OCTACHLORODIBENZOFURAN	351	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7180	pg/l		J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	PENTACHLORO DIBENZOFURAN	76.7	pg/l	J	J	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.7	pg/l	BJK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17	pg/l	JK	J	HTP,VJ	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-C22-09052022 DRET 10 g/L	20361002	E1613B	TOTAL HpCDFs	444	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.53	pg/l	BJ	UJ	HTP,MBL	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	24.1	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.39	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.86	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	Heptachlorodibenzo-P-Dioxin	49.2	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	HEXACHLORODIBENZOFURAN	5.8	pg/l	BJ	J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.58	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	OCTACHLORODIBENZOFURAN	17.3	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	261	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	PENTACHLORO DIBENZOFURAN	4.54	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-D05-09052022 DRET 1 g/L	20361003	E1613B	TOTAL HpCDFs	19	pg/l	BJ	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.3	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	107	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.69	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.62	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.21	pg/l	BJK	UJ	HTP,MBL,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.92	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.07	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.11	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.44	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.61	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.56	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	Heptachlorodibenzo-P-Dioxin	234	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	HEXACHLORODIBENZOFURAN	45.8	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.3	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	OCTACHLORODIBENZOFURAN	71.9	pg/l	J	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1450	pg/l		J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	PENTACHLORO DIBENZOFURAN	27.3	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	PENTACHLORODIBENZO-P-DIOXIN	4.17	pg/l	BJ	J	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.39	pg/l	JK	J	HTP,VJ	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-D05-09052022 DRET 10 g/L	20361004	E1613B	TOTAL HpCDFs	115	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.65	pg/l	BJ	UJ	HTP,MBL	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	16.9	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.35	pg/l	BJ	UJ	HTP,MBL	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.394	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.09	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	Heptachlorodibenzo-P-Dioxin	34.3	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	HEXACHLORODIBENZOFURAN	7.23	pg/l	BJK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.74	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	OCTACHLORODIBENZOFURAN	19.6	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	126	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	PENTACHLORO DIBENZOFURAN	2.04	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 1 g/L	20361005	E1613B	TOTAL HpCDFs	22.1	pg/l	BJ	J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	25.3	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	71.4	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.25	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.57	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.28	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.74	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.17	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.51	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	Heptachlorodibenzo-P-Dioxin	144	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	HEXACHLORODIBENZOFURAN	31.4	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	OCTACHLORODIBENZOFURAN	100	pg/l	J	J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	686	pg/l		J	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	PENTACHLORO DIBENZOFURAN	8.61	pg/l	JK	J	HTP,VJ	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/l	U	UJ	HTP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/l	U	UJ	HTP	
SIB-SED-F14-09052022 DRET 10 g/L	20361006	E1613B	TOTAL HpCDFs	107	pg/l	J	J	HTP	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20417

February 17, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20417	SIB-SC-I06-1-2-07262022	20417001	SE	✓
20417	SIB-SC-I06-2-3-07262022	20417002	SE	✓
20417	SIB-SC-I06-3-4-07262022	20417003	SE	✓
20417	SIB-SC-I06-4-5-07262022	20417004	SE	✓
20417	SIB-SC-I06-5-6-07262022	20417005	SE	✓
20417	SIB-SC-J06-1-2-07262022	20417006	SE	✓
20417	SIB-SC-J06-2-3-07262022	20417007	SE	✓
20417	SIB-SC-J06-3-4-07262022	20417008	SE	✓
20417	SIB-SC-J06-4-5-07262022	20417009	SE	✓
20417	SIB-SC-J06-5-6-07262022	20417010	SE	✓
20417	SIB-SC-K04-1-2-07272022	20417011	SE	✓
20417	SIB-SC-K04-2-3-07272022	20417012	SE	✓
20417	SIB-SC-K04-3-4-07272022	20417013	SE	✓
20417	SIB-SC-K04-4-5-07272022	20417014	SE	✓
20417	SIB-SC-K04-5-6-07272022	20417015	SE	✓
20417	SIB-SC-K03-1-2-07272022	20417016	SE	✓
20417	SIB-SC-K03-2-3-07272022	20417017	SE	✓
20417	SIB-SC-K03-3-4-07272022	20417018	SE	✓
20417	SIB-SC-K03-4-5-07272022	20417019	SE	✓
20417	SIB-SC-K03-5-6-07272022	20417020	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20417	20 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-K03-5-6-07/27/2022	1,2,3,7,8,9-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-K04-1-2-07/27/2022	2,3,4,7,8-PeCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDF	U-MBL
SIB-SC-K04-2-3-07/27/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8,9-HxCDF	U-MBL
SIB-SC-K04-3-4-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	OCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-K04-4-5-07/27/2022	OCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
SIB-SC-K04-5-6-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	OCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

MS/MSD analyses were performed using Sample SIB-SC-I06-1-2-07/26/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDF	OK	237	48.7	J-MSH,MSP
OCDF	OK	592	73.2	J-MSH,MSP
1,2,3,4,6,7,8-HpCDD	Parent > 4x Spike		77.0	J-MSP
OCDD	Parent > 4x Spike		78.4	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

No field duplicates were submitted.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and MS/MSD precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	140	pg/g		J	MSH,MSP	
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	750	pg/g		J	MSP	
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.26	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.89	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.7	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.5	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.09	pg/g	J			✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.2	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.08	pg/g	BJ			✓
SIB-SC-106-1-2-07262022	20417001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.29	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.92	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.53	pg/g	J			✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.6	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	24.6	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.55	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.37	pg/g		DNR	EXC	
SIB-SC-106-1-2-07262022	20417001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.08	pg/g	K	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	Heptachlorodibenzo-P-Dioxin	1430	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	HEXACHLORODIBENZOFURAN	199	pg/g	JK	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	247	pg/g				✓
SIB-SC-106-1-2-07262022	20417001	E1613B	OCTACHLORODIBENZOFURAN	647	pg/g		J	MSH,MSP	
SIB-SC-106-1-2-07262022	20417001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7580	pg/g	E	J	ACR,MSP	
SIB-SC-106-1-2-07262022	20417001	E1613B	PENTACHLORO DIBENZOFURAN	81.6	pg/g	JK	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.8	pg/g	JK	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.9	pg/g	JK	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.1	pg/g	JK	J	VJ	
SIB-SC-106-1-2-07262022	20417001	E1613B	TOTAL HpCDFs	550	pg/g	J			✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	306	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1760	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	30.2	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22.2	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	54.8	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	6.71	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	29	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.94	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-106-2-3-07262022	20417002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	7.2	pg/g	K	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14.8	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	55.9	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	55.9	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.01	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.9	pg/g		DNR	EXC	
SIB-SC-106-2-3-07262022	20417002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.28	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	Heptachlorodibenzo-P-Dioxin	3260	pg/g	E	J	ACR	
SIB-SC-106-2-3-07262022	20417002	E1613B	HEXACHLORODIBENZOFURAN	411	pg/g	JK	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	599	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	OCTACHLORODIBENZOFURAN	1720	pg/g				✓
SIB-SC-106-2-3-07262022	20417002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19400	pg/g	E	J	ACR	
SIB-SC-106-2-3-07262022	20417002	E1613B	PENTACHLORO DIBENZOFURAN	178	pg/g	JK	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	113	pg/g	JK	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	115	pg/g	JK	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	44.2	pg/g	JK	J	VJ	
SIB-SC-106-2-3-07262022	20417002	E1613B	TOTAL HpCDFs	1270	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	261	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1640	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	25.2	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	18	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.8	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	50.8	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.62	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	27.3	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-106-3-4-07262022	20417003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.86	pg/g	K	J	VJ	
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	51.8	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	51.8	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.15	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	11.2	pg/g		DNR	EXC	
SIB-SC-106-3-4-07262022	20417003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.25	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	Heptachlorodibenzo-P-Dioxin	3020	pg/g	E	J	ACR	
SIB-SC-106-3-4-07262022	20417003	E1613B	HEXACHLORODIBENZOFURAN	368	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-106-3-4-07262022	20417003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	612	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	OCTACHLORODIBENZOFURAN	1450	pg/g				✓
SIB-SC-106-3-4-07262022	20417003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	17600	pg/g	E	J	ACR	
SIB-SC-106-3-4-07262022	20417003	E1613B	PENTACHLORO DIBENZOFURAN	200	pg/g	JK	J	VJ	
SIB-SC-106-3-4-07262022	20417003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	122	pg/g	JK	J	VJ	
SIB-SC-106-3-4-07262022	20417003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	113	pg/g	JK	J	VJ	
SIB-SC-106-3-4-07262022	20417003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	38.4	pg/g	JK	J	VJ	
SIB-SC-106-3-4-07262022	20417003	E1613B	TOTAL HpCDFs	1080	pg/g	J			✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	314	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1370	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	23.7	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	21.7	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.99	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	42.9	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.81	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	23.1	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.67	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.12	pg/g	K	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	48.2	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	48.2	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.6	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	14.1	pg/g		DNR	EXC	
SIB-SC-106-4-5-07262022	20417004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.96	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	Heptachlorodibenzo-P-Dioxin	2790	pg/g	E	J	ACR	
SIB-SC-106-4-5-07262022	20417004	E1613B	HEXACHLORODIBENZOFURAN	382	pg/g	J			✓
SIB-SC-106-4-5-07262022	20417004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	648	pg/g	K	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	OCTACHLORODIBENZOFURAN	1690	pg/g				✓
SIB-SC-106-4-5-07262022	20417004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15900	pg/g	E	J	ACR	
SIB-SC-106-4-5-07262022	20417004	E1613B	PENTACHLORO DIBENZOFURAN	195	pg/g	JK	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	133	pg/g	JK	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	169	pg/g	JK	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	32.6	pg/g	JK	J	VJ	
SIB-SC-106-4-5-07262022	20417004	E1613B	TOTAL HpCDFs	1280	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	199	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1130	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	18.5	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.14	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.01	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	35.6	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	20.2	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.82	pg/g	J			✓
SIB-SC-106-5-6-07262022	20417005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.5	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.35	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.78	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	35.2	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	35.2	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.03	pg/g		DNR	EXC	
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.26	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	Heptachlorodibenzo-P-Dioxin	2210	pg/g	E	J	ACR	
SIB-SC-106-5-6-07262022	20417005	E1613B	HEXACHLORODIBENZOFURAN	277	pg/g	JK	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	503	pg/g	K	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	OCTACHLORODIBENZOFURAN	1100	pg/g				✓
SIB-SC-106-5-6-07262022	20417005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13000	pg/g	E	J	ACR	
SIB-SC-106-5-6-07262022	20417005	E1613B	PENTACHLORO DIBENZOFURAN	101	pg/g	JK	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	PENTACHLORODIBENZO-P-DIOXIN	107	pg/g	JK	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	83.1	pg/g	JK	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	24.3	pg/g	JK	J	VJ	
SIB-SC-106-5-6-07262022	20417005	E1613B	TOTAL HpCDFs	889	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	117	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	645	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.83	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.97	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.03	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.42	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.9	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.65	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.92	pg/g	BJ			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.27	pg/g	JK	J	VJ	
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.78	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.27	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.42	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.14	pg/g		DNR	EXC	
SIB-SC-J06-1-2-07262022	20417006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.755	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	Heptachlorodibenzo-P-Dioxin	1360	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	HEXACHLORODIBENZOFURAN	162	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	212	pg/g	J			✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	OCTACHLORODIBENZOFURAN	540	pg/g				✓
SIB-SC-J06-1-2-07262022	20417006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6750	pg/g	E	J	ACR	
SIB-SC-J06-1-2-07262022	20417006	E1613B	PENTACHLORO DIBENZOFURAN	68.3	pg/g	JK	J	VJ	
SIB-SC-J06-1-2-07262022	20417006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	37.9	pg/g	JK	J	VJ	
SIB-SC-J06-1-2-07262022	20417006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	40	pg/g	JK	J	VJ	
SIB-SC-J06-1-2-07262022	20417006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.6	pg/g	JK	J	VJ	
SIB-SC-J06-1-2-07262022	20417006	E1613B	TOTAL HpCDFs	457	pg/g	J			✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	251	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1320	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	22	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.22	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.78	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	41.5	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.14	pg/g	J			✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	20.1	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.57	pg/g	BJ			✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.87	pg/g	K	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.81	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.32	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	39.6	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	39.6	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.25	pg/g		DNR	EXC	
SIB-SC-J06-2-3-07262022	20417007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.27	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	Heptachlorodibenzo-P-Dioxin	2310	pg/g	E	J	ACR	
SIB-SC-J06-2-3-07262022	20417007	E1613B	HEXACHLORODIBENZOFURAN	351	pg/g	JK	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	443	pg/g				✓
SIB-SC-J06-2-3-07262022	20417007	E1613B	OCTACHLORODIBENZOFURAN	1140	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J06-2-3-07262022	20417007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14600	pg/g	E	J	ACR	
SIB-SC-J06-2-3-07262022	20417007	E1613B	PENTACHLORO DIBENZOFURAN	123	pg/g	JK	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	80	pg/g	JK	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	60.1	pg/g	JK	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25.9	pg/g	JK	J	VJ	
SIB-SC-J06-2-3-07262022	20417007	E1613B	TOTAL HpCDFs	982	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	331	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1960	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	31.7	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22.7	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.4	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	56.7	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.7	pg/g	K	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	30	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.03	pg/g	J			✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.31	pg/g	K	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.6	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	58.3	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	58.3	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.1	pg/g		DNR	EXC	
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.41	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.25	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	Heptachlorodibenzo-P-Dioxin	3710	pg/g	E	J	ACR	
SIB-SC-J06-3-4-07262022	20417008	E1613B	HEXACHLORODIBENZOFURAN	471	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1090	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	OCTACHLORODIBENZOFURAN	1650	pg/g				✓
SIB-SC-J06-3-4-07262022	20417008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	21500	pg/g	E	J	ACR	
SIB-SC-J06-3-4-07262022	20417008	E1613B	PENTACHLORO DIBENZOFURAN	195	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	190	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	118	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	52.4	pg/g	JK	J	VJ	
SIB-SC-J06-3-4-07262022	20417008	E1613B	TOTAL HpCDFs	1360	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	205	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1140	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.7	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.21	pg/g	J			✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.12	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.8	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.6	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.93	pg/g	K	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.64	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.94	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31.6	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31.6	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.29	pg/g		DNR	EXC	
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.25	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.792	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	Heptachlorodibenzo-P-Dioxin	2100	pg/g	E	J	ACR	
SIB-SC-J06-4-5-07262022	20417009	E1613B	HEXACHLORODIBENZOFURAN	274	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	390	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	OCTACHLORODIBENZOFURAN	917	pg/g				✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12400	pg/g	E	J	ACR	
SIB-SC-J06-4-5-07262022	20417009	E1613B	PENTACHLORO DIBENZOFURAN	89.7	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	64.6	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	76.1	pg/g	J			✓
SIB-SC-J06-4-5-07262022	20417009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17	pg/g	JK	J	VJ	
SIB-SC-J06-4-5-07262022	20417009	E1613B	TOTAL HpCDFs	909	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	534	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2870	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	39.2	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	44.1	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.4	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.5	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	78.9	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	9.02	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	48.3	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	10.9	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	12	pg/g	JK	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	23.6	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	19.8	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	96.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	96.7	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	21	pg/g		DNR	EXC	
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	16.5	pg/g	K	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.93	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	Heptachlorodibenzo-P-Dioxin	5700	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	HEXACHLORODIBENZOFURAN	686	pg/g	JK	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	901	pg/g	J			✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	OCTACHLORODIBENZOFURAN	2650	pg/g				✓
SIB-SC-J06-5-6-07262022	20417010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	39300	pg/g	E	J	ACR	
SIB-SC-J06-5-6-07262022	20417010	E1613B	PENTACHLORO DIBENZOFURAN	304	pg/g	JK	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	PENTACHLORODIBENZO-P-DIOXIN	178	pg/g	JK	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	227	pg/g	JK	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	50.1	pg/g	K	J	VJ	
SIB-SC-J06-5-6-07262022	20417010	E1613B	TOTAL HpCDFs	2280	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.96	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.69	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.314	pg/g	BJ	U	MBL	
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.521	pg/g	BJ	U	MBL	
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.244	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,7,8-HEXACHLORODIBENZOFURAN	0.159	pg/g	BJ	U	MBL	
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.361	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.388	pg/g	BJ	U	MBL	
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.485	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.726	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.275	pg/g	JK	J	VJ	
SIB-SC-K04-1-2-07272022	20417011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	Heptachlorodibenzo-P-Dioxin	14.3	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	HEXACHLORODIBENZOFURAN	6.57	pg/g	BJ			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	OCTACHLORODIBENZOFURAN	8.09	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	106	pg/g				✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	PENTACHLORO DIBENZOFURAN	7.43	pg/g	J			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.566	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K04-1-2-07272022	20417011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.27	pg/g	JK	J	VJ	
SIB-SC-K04-1-2-07272022	20417011	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-1-2-07272022	20417011	E1613B	TOTAL HpCDFs	16.8	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	47.8	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	119	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN	1.83	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.86	pg/g	BJ			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.09	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.86	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.01	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,7,8-HEXACHLORODIBENZOFURAN	0.645	pg/g	BJ	U	MBL	
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.12	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.717	pg/g	BJ	U	MBL	
SIB-SC-K04-2-3-07272022	20417012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.903	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.99	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.33	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.55	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.616	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	Heptachlorodibenzo-P-Dioxin	352	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	HEXACHLORODIBENZOFURAN	63	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50.8	pg/g	J			✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	OCTACHLORODIBENZOFURAN	48.6	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2610	pg/g				✓
SIB-SC-K04-2-3-07272022	20417012	E1613B	PENTACHLORO DIBENZOFURAN	65.4	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.2	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.72	pg/g	JK	J	VJ	
SIB-SC-K04-2-3-07272022	20417012	E1613B	TOTAL HpCDFs	121	pg/g	JK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.29	pg/g	BJ	U	MBL	
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.63	pg/g	BJ			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.375	pg/g	BJ	U	MBL	
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.425	pg/g	BJ	U	MBL	
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.261	pg/g	J			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.379	pg/g	J			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.542	pg/g	BJ	U	MBL	
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.405	pg/g				✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.674	pg/g				✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.331	pg/g	J			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	Heptachlorodibenzo-P-Dioxin	6.73	pg/g	J			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	HEXACHLORODIBENZOFURAN	5.07	pg/g	BJK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.18	pg/g	J			✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	OCTACHLORODIBENZOFURAN	1.96	pg/g	BJ	U	MBL	
SIB-SC-K04-3-4-07272022	20417013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	50.2	pg/g				✓
SIB-SC-K04-3-4-07272022	20417013	E1613B	PENTACHLORO DIBENZOFURAN	9.25	pg/g	JK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.73	pg/g	JK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.86	pg/g	JK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.285	pg/g	JK	J	VJ	
SIB-SC-K04-3-4-07272022	20417013	E1613B	TOTAL HpCDFs	4.51	pg/g	BJ			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.08	pg/g	BJ			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.78	pg/g	BJ			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.191	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.447	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.453	pg/g	BJ	U	MBL	
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.217	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.322	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.211	pg/g	BJ	U	MBL	
SIB-SC-K04-4-5-07272022	20417014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.149	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.246	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.224	pg/g	BJ	U	MBL	
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.49	pg/g				✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.606	pg/g				✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.288	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	Heptachlorodibenzo-P-Dioxin	6.92	pg/g	J			✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	HEXACHLORODIBENZOFURAN	3.06	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K04-4-5-07272022	20417014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.99	pg/g	JK	J	VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	OCTACHLORODIBENZOFURAN	1.68	pg/g	BJ	U	MBL	
SIB-SC-K04-4-5-07272022	20417014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	30	pg/g				✓
SIB-SC-K04-4-5-07272022	20417014	E1613B	PENTACHLORO DIBENZOFURAN	3.02	pg/g	BJK	J	VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.13	pg/g	JK	J	VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.97	pg/g	JK	J	VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.862	pg/g	JK	J	VJ	
SIB-SC-K04-4-5-07272022	20417014	E1613B	TOTAL HpCDFs	5.03	pg/g	J			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.12	pg/g	BJ	U	MBL	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.59	pg/g	BJ			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.34	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.211	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.209	pg/g	JK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.38	pg/g	BJ	U	MBL	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.166	pg/g	BJ	U	MBL	
SIB-SC-K04-5-6-07272022	20417015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.127	pg/g	J			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.175	pg/g				✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.435	pg/g				✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	Heptachlorodibenzo-P-Dioxin	6.87	pg/g	J			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	HEXACHLORODIBENZOFURAN	1.68	pg/g	BJK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.4	pg/g	JK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	OCTACHLORODIBENZOFURAN	0.548	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19.2	pg/g	B			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	PENTACHLORO DIBENZOFURAN	1.36	pg/g	BJK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.591	pg/g	JK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.591	pg/g	JK	J	VJ	
SIB-SC-K04-5-6-07272022	20417015	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K04-5-6-07272022	20417015	E1613B	TOTAL HpCDFs	1.57	pg/g	BJ			✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	125	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	733	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.98	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.86	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.5	pg/g	J			✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.83	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.3	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.49	pg/g	J			✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.1	pg/g	BJ			✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.16	pg/g	K	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.52	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.42	pg/g	J			✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.4	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	24.4	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.76	pg/g		DNR	EXC	
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.6	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.15	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	Heptachlorodibenzo-P-Dioxin	1400	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	HEXACHLORODIBENZOFURAN	181	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	273	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	OCTACHLORODIBENZOFURAN	445	pg/g				✓
SIB-SC-K03-1-2-07272022	20417016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8230	pg/g	E	J	ACR	
SIB-SC-K03-1-2-07272022	20417016	E1613B	PENTACHLORO DIBENZOFURAN	82.7	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	52.6	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	53.7	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25.1	pg/g	JK	J	VJ	
SIB-SC-K03-1-2-07272022	20417016	E1613B	TOTAL HpCDFs	488	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	70.2	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	298	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.43	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.95	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.68	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.93	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.7	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.89	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.25	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.61	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.23	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.76	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.8	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.8	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.26	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.57	pg/g		DNR	EXC	
SIB-SC-K03-2-3-07272022	20417017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.851	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	Heptachlorodibenzo-P-Dioxin	650	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	HEXACHLORODIBENZOFURAN	114	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	114	pg/g	J			✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	OCTACHLORODIBENZOFURAN	253	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3650	pg/g				✓
SIB-SC-K03-2-3-07272022	20417017	E1613B	PENTACHLORO DIBENZOFURAN	66.1	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	PENTACHLORODIBENZO-P-DIOXIN	22.4	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	34.6	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.13	pg/g	JK	J	VJ	
SIB-SC-K03-2-3-07272022	20417017	E1613B	TOTAL HpCDFs	277	pg/g	J			✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	87.8	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	298	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.85	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.1	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.56	pg/g	J			✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.7	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.34	pg/g	J			✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.93	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	7.77	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.68	pg/g	J			✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.37	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.27	pg/g		DNR	EXC	
SIB-SC-K03-3-4-07272022	20417018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.611	pg/g	K	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	Heptachlorodibenzo-P-Dioxin	697	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	HEXACHLORODIBENZOFURAN	138	pg/g	JK	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	114	pg/g	J			✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	OCTACHLORODIBENZOFURAN	283	pg/g				✓
SIB-SC-K03-3-4-07272022	20417018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4440	pg/g	E	J	ACR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K03-3-4-07272022	20417018	E1613B	PENTACHLORO DIBENZOFURAN	80.7	pg/g	JK	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.4	pg/g	JK	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.7	pg/g	JK	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.54	pg/g	JK	J	VJ	
SIB-SC-K03-3-4-07272022	20417018	E1613B	TOTAL HpCDFs	313	pg/g	JK	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	127	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	294	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.13	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.76	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.43	pg/g	J			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.11	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.4	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.4	pg/g	BJ			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.84	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.93	pg/g	BJ			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.57	pg/g	J			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.86	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.46	pg/g	J			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.8	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.8	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.28	pg/g	K	DNR	EXC	
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.46	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.715	pg/g	K	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	Heptachlorodibenzo-P-Dioxin	725	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	HEXACHLORODIBENZOFURAN	157	pg/g	J			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	106	pg/g	J			✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	OCTACHLORODIBENZOFURAN	310	pg/g				✓
SIB-SC-K03-4-5-07272022	20417019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5280	pg/g	E	J	ACR	
SIB-SC-K03-4-5-07272022	20417019	E1613B	PENTACHLORO DIBENZOFURAN	102	pg/g	JK	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.2	pg/g	JK	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	36.8	pg/g	JK	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.48	pg/g	JK	J	VJ	
SIB-SC-K03-4-5-07272022	20417019	E1613B	TOTAL HpCDFs	391	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	76.3	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	126	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.96	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.91	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.06	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.95	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.71	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.864	pg/g	BJ	U	MBL	
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.24	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.15	pg/g	BJ	U	MBL	
SIB-SC-K03-5-6-07272022	20417020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.945	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.58	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.81	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.23	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.41	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.808	pg/g	J			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	Heptachlorodibenzo-P-Dioxin	328	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	HEXACHLORODIBENZOFURAN	94.3	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	52.1	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	OCTACHLORODIBENZOFURAN	136	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2330	pg/g				✓
SIB-SC-K03-5-6-07272022	20417020	E1613B	PENTACHLORO DIBENZOFURAN	77.9	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	PENTACHLORODIBENZO-P-DIOXIN	12.7	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.27	pg/g	JK	J	VJ	
SIB-SC-K03-5-6-07272022	20417020	E1613B	TOTAL HpCDFs	210	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20418

February 17, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on soil, sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20418	SIB-SC-L03-1-2-07272022	20418001	SE	✓
20418	SIB-SC-L03-2-3-07/27/2022	20418002	SO	✓
20418	FD-21-07/27/2022	20418003	SO	✓
20418	SIB-SC-L03-3-4-07272022	20418004	SE	✓
20418	SIB-SC-L03-4-5-07272022	20418007	SE	✓
20418	SIB-SC-L03-5-6-07272022	20418008	SE	✓
20418	SIB-SC-L04-1-2-07272022	20418009	SE	✓
20418	SIB-SC-L04-2-3-07272022	20418010	SE	✓
20418	SIB-SC-L04-3-4-07272022	20418011	SE	✓
20418	SIB-SC-L04-4-5-07272022	20418012	SE	✓
20418	SIB-SC-L04-5-6-07272022	20418013	SE	✓
20418	SIB-SC-L05-1-2-07272022	20418014	SE	✓
20418	SIB-SC-L05-2-3-07272022	20418015	SE	✓
20418	SIB-SC-L05-3-4-07272022	20418016	SE	✓
20418	SIB-SC-L05-4-5-07272022	20418017	SE	✓
20418	SIB-SC-L05-5-6-07272022	20418018	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20418	16 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-21-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-L03-1-2-07/27/2022	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-L03-2-3-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
SIB-SC-L04-2-3-07/27/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-L05-1-2-07/27/2022	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-L05-2-3-07/27/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-L05-3-4-07/27/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-L05-4-5-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-L05-5-6-07/27/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8,9-HxCDD	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	2,3,4,6,7,8-HxCDF	U-MBL
	2,3,4,7,8-PeCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-L03-3-4-07/27/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
2,3,7,8-TCDF	53	OK	22	J-MSL,MSP
1,2,3,4,6,7,8-HpCDF	38	OK	29	J-MSL,MSP
OCDF	8	OK	38	J-MSLX,MSP
1,2,3,4,6,7,8-HpCDD	Parent conc > 4x spike		56	J-MSP
OCDD	Parent conc > 4x spike		70	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-L03-2-3-07/27/2022 & FD-21-07/27/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate samples.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and MS/MSD precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	66.3	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.902	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	BJ			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.699	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.667	pg/g	BJ	U	MBL	
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.57	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.418	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.26	pg/g	BJ			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.428	pg/g	BJ	U	MBL	
SIB-SC-L03-1-2-07272022	20418001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.432	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.833	pg/g	BJ	U	MBL	
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.703	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.53	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.65	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.876	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	Heptachlorodibenzo-P-Dioxin	137	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	HEXACHLORODIBENZOFURAN	20.6	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	OCTACHLORODIBENZOFURAN	34.8	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	599	pg/g				✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	PENTACHLORO DIBENZOFURAN	9.88	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	3.6	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07272022	20418001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.15	pg/g	J			✓
SIB-SC-L03-1-2-07272022	20418001	E1613B	TOTAL HpCDFs	45.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.54	pg/g	BJ			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	21.8	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.421	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.365	pg/g	BJ	U	MBL	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.26	pg/g	BJ	U	MBL	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.725	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.152	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.287	pg/g	BJ	U	MBL	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.547	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.862	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.449	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	Heptachlorodibenzo-P-Dioxin	42.2	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	HEXACHLORODIBENZOFURAN	5.18	pg/g	BJK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.23	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	OCTACHLORODIBENZOFURAN	13	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	241	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	PENTACHLORO DIBENZOFURAN	1.82	pg/g	BJ			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.361	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.449	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20418002	E1613B	TOTAL HpCDFs	14.6	pg/g	J			✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.09	pg/g	B			✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	21.9	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.966	pg/g	JK	J	VJ	
FD-21-07/27/2022	20418003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.641	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.329	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.677	pg/g	J			✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-21-07/27/2022	20418003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.345	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.291	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-21-07/27/2022	20418003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.303	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.293	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20418003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.715	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.955	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.385	pg/g	J			✓
FD-21-07/27/2022	20418003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-21-07/27/2022	20418003	E1613B	Heptachlorodibenzo-P-Dioxin	40.4	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	HEXACHLORODIBENZOFURAN	6.9	pg/g	BJ			✓
FD-21-07/27/2022	20418003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.35	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-21-07/27/2022	20418003	E1613B	OCTACHLORODIBENZOFURAN	21.4	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	214	pg/g				✓
FD-21-07/27/2022	20418003	E1613B	PENTACHLORO DIBENZOFURAN	3.36	pg/g	BJ			✓
FD-21-07/27/2022	20418003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.407	pg/g	J			✓
FD-21-07/27/2022	20418003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.64	pg/g	JK	J	VJ	
FD-21-07/27/2022	20418003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-21-07/27/2022	20418003	E1613B	TOTAL HpCDFs	19.9	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	96.1	pg/g		J	MSL,MSP	
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	481	pg/g		J	MSP	
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.77	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.76	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.81	pg/g	J			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.67	pg/g	J			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.76	pg/g	BJ			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.56	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.01	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.4	pg/g	J			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	18.1	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	18.1	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.44	pg/g		J	MSL,MSP	
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.43	pg/g		DNR	EXC	
SIB-SC-L03-3-4-07272022	20418004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.973	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	Heptachlorodibenzo-P-Dioxin	972	pg/g				✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	HEXACHLORODIBENZOFURAN	144	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	167	pg/g	J			✓
SIB-SC-L03-3-4-07272022	20418004	E1613B	OCTACHLORODIBENZOFURAN	271	pg/g		J	MSLX,MSP	
SIB-SC-L03-3-4-07272022	20418004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4960	pg/g	E	J	ACR,MSP	
SIB-SC-L03-3-4-07272022	20418004	E1613B	PENTACHLORO DIBENZOFURAN	64.9	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	27.8	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	42.8	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.8	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07272022	20418004	E1613B	TOTAL HpCDFs	325	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.1	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	297	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.38	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.66	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.44	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.78	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.87	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.81	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.58	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.52	pg/g	BJ			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.45	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.93	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.93	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.15	pg/g		DNR	EXC	
SIB-SC-L03-4-5-07272022	20418007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.415	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	Heptachlorodibenzo-P-Dioxin	541	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	HEXACHLORODIBENZOFURAN	75	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07272022	20418007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	72.2	pg/g	J			✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	OCTACHLORODIBENZOFURAN	192	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3300	pg/g				✓
SIB-SC-L03-4-5-07272022	20418007	E1613B	PENTACHLORO DIBENZOFURAN	32.9	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07272022	20418007	E1613B	PENTACHLORODIBENZO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07272022	20418007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.9	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07272022	20418007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07272022	20418007	E1613B	TOTAL HpCDFs	210	pg/g	J			✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	232	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1080	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	18.5	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22.1	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.48	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.6	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	36.7	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.39	pg/g	J			✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.3	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.63	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.2	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.86	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	41.8	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	41.8	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.99	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.98	pg/g		DNR	EXC	
SIB-SC-L03-5-6-07272022	20418008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.37	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	Heptachlorodibenzo-P-Dioxin	2120	pg/g	E	J	ACR	
SIB-SC-L03-5-6-07272022	20418008	E1613B	HEXACHLORODIBENZOFURAN	323	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07272022	20418008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	292	pg/g	J			✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	OCTACHLORODIBENZOFURAN	773	pg/g				✓
SIB-SC-L03-5-6-07272022	20418008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12000	pg/g	E	J	ACR	
SIB-SC-L03-5-6-07272022	20418008	E1613B	PENTACHLORO DIBENZOFURAN	171	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07272022	20418008	E1613B	PENTACHLORODIBENZO-P-DIOXIN	51.7	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07272022	20418008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90.3	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07272022	20418008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.4	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07272022	20418008	E1613B	TOTAL HpCDFs	858	pg/g	J			✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	180	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	730	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	18.9	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.8	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.5	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.1	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.9	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.08	pg/g	J			✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.1	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.35	pg/g	J			✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.11	pg/g	K	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.82	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.07	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.9	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.9	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.42	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.5	pg/g		DNR	EXC	
SIB-SC-L04-1-2-07272022	20418009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.19	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	Heptachlorodibenzo-P-Dioxin	1390	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	HEXACHLORODIBENZOFURAN	288	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L04-1-2-07272022	20418009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	243	pg/g	JK	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	OCTACHLORODIBENZOFURAN	477	pg/g				✓
SIB-SC-L04-1-2-07272022	20418009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8040	pg/g	E	J	ACR	
SIB-SC-L04-1-2-07272022	20418009	E1613B	PENTACHLORO DIBENZOFURAN	106	pg/g	JK	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.2	pg/g	JK	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55	pg/g	JK	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-L04-1-2-07272022	20418009	E1613B	TOTAL HpCDFs	669	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	43.5	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	204	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.4	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.53	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	BJ			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.7	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.12	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.08	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.632	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.708	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.14	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.17	pg/g	BJ			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.62	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.82	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.45	pg/g		DNR	EXC	
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.15	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	Heptachlorodibenzo-P-Dioxin	364	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	HEXACHLORODIBENZOFURAN	66.6	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	56	pg/g	J			✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	OCTACHLORODIBENZOFURAN	134	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2400	pg/g				✓
SIB-SC-L04-2-3-07272022	20418010	E1613B	PENTACHLORO DIBENZOFURAN	21.7	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.39	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.5	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.66	pg/g	JK	J	VJ	
SIB-SC-L04-2-3-07272022	20418010	E1613B	TOTAL HpCDFs	172	pg/g	JK	J	VJ	
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	203	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1360	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	20.8	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	18	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.19	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.59	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	47.4	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5	pg/g	J			✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	20.9	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.03	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.04	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.6	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.87	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	41.7	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	41.7	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.91	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	5.73	pg/g		DNR	EXC	
SIB-SC-L04-3-4-07272022	20418011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.63	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	Heptachlorodibenzo-P-Dioxin	2470	pg/g	E	J	ACR	
SIB-SC-L04-3-4-07272022	20418011	E1613B	HEXACHLORODIBENZOFURAN	307	pg/g	J			✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	414	pg/g	J			✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	OCTACHLORODIBENZOFURAN	752	pg/g				✓
SIB-SC-L04-3-4-07272022	20418011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14300	pg/g	E	J	ACR	
SIB-SC-L04-3-4-07272022	20418011	E1613B	PENTACHLORO DIBENZOFURAN	139	pg/g	JK	J	VJ	
SIB-SC-L04-3-4-07272022	20418011	E1613B	PENTACHLORODIBENZO-P-DIOXIN	64.3	pg/g	JK	J	VJ	
SIB-SC-L04-3-4-07272022	20418011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	58.9	pg/g	JK	J	VJ	
SIB-SC-L04-3-4-07272022	20418011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	21	pg/g	JK	J	VJ	
SIB-SC-L04-3-4-07272022	20418011	E1613B	TOTAL HpCDFs	805	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	69.5	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	314	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.92	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.12	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.19	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.94	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.75	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.44	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.22	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L04-4-5-07272022	20418012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.48	pg/g	J			✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.5	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.5	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.81	pg/g	K	DNR	EXC	
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.47	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.441	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	Heptachlorodibenzo-P-Dioxin	574	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	HEXACHLORODIBENZOFURAN	104	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	75.9	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	OCTACHLORODIBENZOFURAN	226	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3430	pg/g				✓
SIB-SC-L04-4-5-07272022	20418012	E1613B	PENTACHLORO DIBENZOFURAN	36.6	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.1	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.5	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.63	pg/g	JK	J	VJ	
SIB-SC-L04-4-5-07272022	20418012	E1613B	TOTAL HpCDFs	287	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.1	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	280	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.93	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.78	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.2	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.12	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.86	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.5	pg/g	BJ			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.57	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.17	pg/g	J			✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	pg/g		DNR	EXC	
SIB-SC-L04-5-6-07272022	20418013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.01	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	Heptachlorodibenzo-P-Dioxin	553	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L04-5-6-07272022	20418013	E1613B	HEXACHLORODIBENZOFURAN	98.4	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	80.1	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	OCTACHLORODIBENZOFURAN	188	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3120	pg/g				✓
SIB-SC-L04-5-6-07272022	20418013	E1613B	PENTACHLORO DIBENZOFURAN	44.2	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.3	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.2	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.05	pg/g	JK	J	VJ	
SIB-SC-L04-5-6-07272022	20418013	E1613B	TOTAL HpCDFs	238	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	29.7	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	185	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.55	pg/g	J			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.14	pg/g	BJ			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.86	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.05	pg/g	BJ			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.04	pg/g	J			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.625	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.78	pg/g	BJ			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.415	pg/g	BJ	U	MBL	
SIB-SC-L05-1-2-07272022	20418014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.483	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.22	pg/g	BJ			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.775	pg/g	BJ	U	MBL	
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.85	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.99	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.793	pg/g	J			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	Heptachlorodibenzo-P-Dioxin	358	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	HEXACHLORODIBENZOFURAN	42.1	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	53.6	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	OCTACHLORODIBENZOFURAN	117	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2200	pg/g				✓
SIB-SC-L05-1-2-07272022	20418014	E1613B	PENTACHLORO DIBENZOFURAN	12.8	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.82	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.35	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.22	pg/g	JK	J	VJ	
SIB-SC-L05-1-2-07272022	20418014	E1613B	TOTAL HpCDFs	131	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	54	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	212	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.12	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.69	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.46	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.64	pg/g	BJ			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.41	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.92	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.493	pg/g	BJ	U	MBL	
SIB-SC-L05-2-3-07272022	20418015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.585	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.97	pg/g	BJ			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.28	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.42	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.942	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	Heptachlorodibenzo-P-Dioxin	374	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	HEXACHLORODIBENZOFURAN	68.9	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50.9	pg/g	J			✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	OCTACHLORODIBENZOFURAN	185	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2380	pg/g				✓
SIB-SC-L05-2-3-07272022	20418015	E1613B	PENTACHLORO DIBENZOFURAN	17.1	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	8.32	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.67	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.55	pg/g	JK	J	VJ	
SIB-SC-L05-2-3-07272022	20418015	E1613B	TOTAL HpCDFs	226	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	75.3	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	257	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.41	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.84	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.02	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.17	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.62	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.72	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.84	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.09	pg/g	BJ	U	MBL	
SIB-SC-L05-3-4-07272022	20418016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.12	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.3	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.3	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.79	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.374	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	Heptachlorodibenzo-P-Dioxin	492	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	HEXACHLORODIBENZOFURAN	111	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	73.1	pg/g	J			✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	OCTACHLORODIBENZOFURAN	233	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2790	pg/g				✓
SIB-SC-L05-3-4-07272022	20418016	E1613B	PENTACHLORO DIBENZOFURAN	44.7	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	PENTACHLORODIBENZO-P-DIOXIN	14.1	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.5	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.4	pg/g	JK	J	VJ	
SIB-SC-L05-3-4-07272022	20418016	E1613B	TOTAL HpCDFs	277	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	31.4	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.888	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.862	pg/g	BJ	U	MBL	
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.535	pg/g	BJ	U	MBL	
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.986	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.253	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.533	pg/g	BJ	U	MBL	
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.241	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.219	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.537	pg/g	BJ	U	MBL	
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.327	pg/g	BJ	U	MBL	
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.27	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.42	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.289	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	Heptachlorodibenzo-P-Dioxin	66	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	HEXACHLORODIBENZOFURAN	12.9	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	OCTACHLORODIBENZOFURAN	32.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L05-4-5-07272022	20418017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	384	pg/g				✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	PENTACHLORO DIBENZOFURAN	6.69	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.2	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.32	pg/g	JK	J	VJ	
SIB-SC-L05-4-5-07272022	20418017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.499	pg/g	J			✓
SIB-SC-L05-4-5-07272022	20418017	E1613B	TOTAL HpCDFs	35.8	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.9	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	41.5	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.14	pg/g	J			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.917	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.385	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.993	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.29	pg/g	J			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.694	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.273	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.762	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.489	pg/g	BJ	U	MBL	
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.42	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.78	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	Heptachlorodibenzo-P-Dioxin	98.5	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	HEXACHLORODIBENZOFURAN	16.6	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	15.1	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	OCTACHLORODIBENZOFURAN	51.7	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	569	pg/g				✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	PENTACHLORO DIBENZOFURAN	9.63	pg/g	J			✓
SIB-SC-L05-5-6-07272022	20418018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.47	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.64	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.14	pg/g	JK	J	VJ	
SIB-SC-L05-5-6-07272022	20418018	E1613B	TOTAL HpCDFs	54.4	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20419

Revised May 12, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report was revised to update field duplicate section of the data validation report.

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20419	SIB-SC-I08-1-2-07/28/2022	20419001	SE	✓
20419	FD-22-07/28/2022	20419002	SE	✓
20419	SIB-SC-I08-2-3-07/28/2022	20419003	SE	✓
20419	SIB-SC-I08-3-4-07/28/2022	20419006	SE	✓
20419	SIB-SC-I08-4-5-07/28/2022	20419007	SE	✓
20419	SIB-SC-I08-5-6-07/28/2022	20419008	SE	✓
20419	SIB-SC-P07-0-1-07/28/2022	20419009	SE	✓
20419	SIB-SC-P07-1-2-07/28/2022	20419010	SE	✓
20419	SIB-SC-P07-2-3-07/28/2022	20419011	SE	✓
20419	SIB-SC-P07-3-3.9-07/28/2022	20419012	SE	✓
20419	SIB-SC-I05-1-2-07/28/2022	20419013	SE	✓
20419	SIB-SC-I05-2-3-07/28/2022	20419014	SE	✓
20419	SIB-SC-I05-3-4-07/28/2022	20419015	SE	✓
20419	SIB-SC-I05-4-5-07/28/2022	20419016	SE	✓
20419	SIB-SC-I05-5-6-07/28/2022	20419017	SE	✓
20419	SIB-SC-D10-1-2-08/03/2022	20419018	SE	✓
20419	SIB-SC-D10-2-3-08/03/2022	20419019	SE	✓
20419	SIB-SC-D10-3-4-08/03/2022	20419020	SE	✓
20419	SIB-SC-D10-4-5-08/03/2022	20419021	SE	✓
20419	SIB-SC-D10-5-6-08/03/2022	20419022	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20419	20 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 5 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 14 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
1	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported

in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are “estimated maximum possible concentrations” or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blank, however all sample results were greater than the action levels; no data were qualified.

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB05-07262022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20123. EB05-07262022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-I08-2-3-07/28/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,6,7,8-HxCDD	OK	139	30.4	J-MSH/MSP
1,2,3,4,6,7,8-HpCDD	Parent conc. > 4x spike		73.1	J-MSP
OCDD	Parent conc. > 4x spike		85.6	J-MSP
2,3,7,8-TCDF	OK	145	32.0	J-MSH/MSP
1,2,3,4,7,8-HxCDF	OK	133	25.1	J-MSH/MSP
1,2,3,4,6,7,8-HpCDF	Parent conc. > 4x spike		62.4	J-MSP
1,2,3,4,7,8,9-HpCDF	OK	131	20.1	J-MSH/MSP
OCDF	Parent conc. > 4x spike		75.4	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-I08-1-2-07/28/2022 & FD-22-07/28/2022, was submitted. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8,9-HpCDD	DIFFERENCE	J-FDPA
1,2,3,4,7,8-HxCDF	DIFFERENCE	J-FDPA
1,2,3,6,7,8-HxCDD	DIFFERENCE	J-FDPA
2,3,4,6,7,8-HxCDF	DIFFERENCE	J-FDPA
1,2,3,7,8,9- HxCDD	DIFFERENCE	J-FDPA
2,3,7,8-TCDF	DIFFERENCE	J-FDPA
2,3,7,8-TCDD	DIFFERENCE	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	RPD	J-FDPR
Total TCDF	RPD	J-FDPR
Total TCDD	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were estimated (J-VJ).

Compound Quantitation

The laboratory E-flagged several sample results to indicate the concentration exceeded the calibration range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	612	pg/g		J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2640	pg/g		J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	66.9	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	46.2	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.8	pg/g	J			✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	22	pg/g	J			✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	71.2	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	12.9	pg/g	J			✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	39.5	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	8.31	pg/g	J			✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	8.08	pg/g	J			✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	32.3	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	26.3	pg/g				✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	87.5	pg/g				✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	87.5	pg/g				✓
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	20.4	pg/g		DNR	EXC	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	18.9	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.78	pg/g		J	FDPA	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	Heptachlorodibenzo-P-Dioxin	5110	pg/g		J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	HEXACHLORODIBENZOFURAN	921	pg/g	JK	J	FDPR,VJ	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1200	pg/g	J	J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	OCTACHLORODIBENZOFURAN	2380	pg/g		J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	29800	pg/g	E	J	ACR,FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	PENTACHLORO DIBENZOFURAN	295	pg/g	JK	J	FDPR,VJ	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	239	pg/g	J	J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	243	pg/g	JK	J	FDPR,VJ	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	39.9	pg/g	J	J	FDPR	
SIB-SC-108-1-2-07/28/2022	20419001	E1613B	TOTAL HpCDFs	2660	pg/g	J	J	FDPR	
FD-22-07/28/2022	20419002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1800	pg/g		J	FDPR	
FD-22-07/28/2022	20419002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	8010	pg/g		J	FDPR	
FD-22-07/28/2022	20419002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	198	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	139	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	46.5	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	59.9	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	222	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	37.6	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	117	pg/g		J	FDPA	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-22-07/28/2022	20419002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	25.4	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	25.4	pg/g	K	J	VJ	
FD-22-07/28/2022	20419002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	100	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	61.4	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	259	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	259	pg/g				✓
FD-22-07/28/2022	20419002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	46.3	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	63.8	pg/g		DNR	EXC	
FD-22-07/28/2022	20419002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	7.95	pg/g		J	FDPA	
FD-22-07/28/2022	20419002	E1613B	Heptachlorodibenzo-P-Dioxin	15100	pg/g	E	J	ACR,FDPR	
FD-22-07/28/2022	20419002	E1613B	HEXACHLORODIBENZOFURAN	2570	pg/g	JK	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3250	pg/g	JK	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	OCTACHLORODIBENZOFURAN	7380	pg/g		J	FDPR	
FD-22-07/28/2022	20419002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	89800	pg/g	E	J	ACR,FDPR	
FD-22-07/28/2022	20419002	E1613B	PENTACHLORO DIBENZOFURAN	733	pg/g	JK	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	559	pg/g	JK	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	599	pg/g	JK	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	110	pg/g	K	J	FDPR,VJ	
FD-22-07/28/2022	20419002	E1613B	TOTAL HpCDFs	7560	pg/g		J	FDPR	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	468	pg/g		J	MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1710	pg/g		J	MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	44.9	pg/g		J	MSH,MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	37.2	pg/g		J	MSH,MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.3	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	55.5	pg/g		J	MSH,MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	9.22	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	32.4	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.08	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	7.6	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	25.5	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	20.5	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	65.6	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	65.6	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.3	pg/g		DNR	EXC	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.74	pg/g		J	MSH,MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.03	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	Heptachlorodibenzo-P-Dioxin	3320	pg/g	E	J	ACR	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	HEXACHLORODIBENZOFURAN	725	pg/g	JK	J	VJ	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	717	pg/g				✓
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	OCTACHLORODIBENZOFURAN	1620	pg/g		J	MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	18600	pg/g	E	J	ACR,MSP	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	PENTACHLORO DIBENZOFURAN	327	pg/g	JK	J	VJ	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	154	pg/g	JK	J	VJ	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	127	pg/g	JK	J	VJ	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	28.4	pg/g	JK	J	VJ	
SIB-SC-108-2-3-07/28/2022	20419003	E1613B	TOTAL HpCDFs	1860	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	704	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2530	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	63.1	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	48.6	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.5	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	24.3	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	76.4	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	11.9	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	41.6	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	7.68	pg/g	JK	J	VJ	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	11.7	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	35.9	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	17.4	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	88.9	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	88.9	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	10.2	pg/g		DNR	EXC	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.8	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	Heptachlorodibenzo-P-Dioxin	4980	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	HEXACHLORODIBENZOFURAN	974	pg/g	JK	J	VJ	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	879	pg/g	J			✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	OCTACHLORODIBENZOFURAN	2780	pg/g				✓
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	26900	pg/g	E	J	ACR	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	PENTACHLORO DIBENZOFURAN	269	pg/g	JK	J	VJ	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	133	pg/g	JK	J	VJ	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	125	pg/g	JK	J	VJ	
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	28.6	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-108-3-4-07/28/2022	20419006	E1613B	TOTAL HpCDFs	2880	pg/g	J			✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	949	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3240	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	71.6	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	62.1	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.3	pg/g	J			✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	33.4	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	88.5	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	12.9	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	48.8	pg/g	K	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	10.1	pg/g	J			✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	15	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	39.7	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	26.7	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	116	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	116	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.82	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	12.8	pg/g		DNR	EXC	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.61	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	Heptachlorodibenzo-P-Dioxin	6580	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	HEXACHLORODIBENZOFURAN	1090	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1070	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	OCTACHLORODIBENZOFURAN	4450	pg/g				✓
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	41000	pg/g	E	J	ACR	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	PENTACHLORO DIBENZOFURAN	365	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	PENTACHLORODIBENZO-P-DIOXIN	180	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	233	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	78.3	pg/g	JK	J	VJ	
SIB-SC-108-4-5-07/28/2022	20419007	E1613B	TOTAL HpCDFs	4120	pg/g	JK	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	413	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1310	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	26.1	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	27.8	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.17	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	38.9	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.92	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.3	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.98	pg/g	J			✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.58	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	16.8	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	47.7	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	47.7	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.56	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.29	pg/g		DNR	EXC	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.32	pg/g	K	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	Heptachlorodibenzo-P-Dioxin	2550	pg/g	E	J	ACR	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	HEXACHLORODIBENZOFURAN	472	pg/g	JK	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	387	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	OCTACHLORODIBENZOFURAN	1650	pg/g				✓
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16000	pg/g	E	J	ACR	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	PENTACHLORO DIBENZOFURAN	174	pg/g	JK	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	83.7	pg/g	JK	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90.2	pg/g	K	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	30.1	pg/g	JK	J	VJ	
SIB-SC-108-5-6-07/28/2022	20419008	E1613B	TOTAL HpCDFs	1580	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.4	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	109	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.39	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.64	pg/g	BJ			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.18	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.52	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.502	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.22	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.643	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.766	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.24	pg/g	BJ			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.04	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.68	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.68	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.56	pg/g		DNR	EXC	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.2	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.415	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	Heptachlorodibenzo-P-Dioxin	236	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	HEXACHLORODIBENZOFURAN	31	pg/g	J			✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	48.3	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	OCTACHLORODIBENZOFURAN	52.9	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1190	pg/g				✓
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	PENTACHLORO DIBENZOFURAN	15.2	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.79	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.8	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.59	pg/g	JK	J	VJ	
SIB-SC-P07-0-1-07/28/2022	20419009	E1613B	TOTAL HpCDFs	64.1	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	39.5	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	234	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.27	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.22	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.45	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.2	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.58	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.12	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.68	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.32	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.6	pg/g	JK	J	VJ	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.63	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.09	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.65	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.65	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.48	pg/g		DNR	EXC	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.96	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.751	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	Heptachlorodibenzo-P-Dioxin	464	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	HEXACHLORODIBENZOFURAN	58.2	pg/g	JK	J	VJ	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	83.5	pg/g	J			✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	OCTACHLORODIBENZOFURAN	124	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2450	pg/g				✓
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	PENTACHLORO DIBENZOFURAN	35.6	pg/g	JK	J	VJ	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18	pg/g	JK	J	VJ	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.09	pg/g	JK	J	VJ	
SIB-SC-P07-1-2-07/28/2022	20419010	E1613B	TOTAL HpCDFs	128	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.4	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	424	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.64	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.44	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.73	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.93	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.7	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.14	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.62	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.17	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.51	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.75	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.7	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.7	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	14.3	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	17.3	pg/g		DNR	EXC	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.09	pg/g	K	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	Heptachlorodibenzo-P-Dioxin	800	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	HEXACHLORODIBENZOFURAN	88.1	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	146	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	OCTACHLORODIBENZOFURAN	182	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4560	pg/g	E	J	ACR	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	PENTACHLORO DIBENZOFURAN	44.4	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	29.8	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.6	pg/g				✓
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.7	pg/g	JK	J	VJ	
SIB-SC-P07-2-3-07/28/2022	20419011	E1613B	TOTAL HpCDFs	195	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	55.8	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	349	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.9	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.59	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.19	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.5	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.11	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.81	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.22	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.7	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.2	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.2	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.67	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.4	pg/g		DNR	EXC	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g	K	J	VJ	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	Heptachlorodibenzo-P-Dioxin	648	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	HEXACHLORODIBENZOFURAN	69.5	pg/g	JK	J	VJ	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	159	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	OCTACHLORODIBENZOFURAN	163	pg/g				✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4000	pg/g	E	J	ACR	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	PENTACHLORO DIBENZOFURAN	38.9	pg/g	J			✓
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	25.9	pg/g	JK	J	VJ	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	40.2	pg/g	JK	J	VJ	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.4	pg/g	JK	J	VJ	
SIB-SC-P07-3-3.9-07/28/2022	20419012	E1613B	TOTAL HpCDFs	165	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	51.8	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	278	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.82	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.77	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.96	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.02	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.84	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.1	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.11	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.47	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.83	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.02	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.43	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.19	pg/g		DNR	EXC	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	Heptachlorodibenzo-P-Dioxin	563	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	HEXACHLORODIBENZOFURAN	70.2	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	105	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	OCTACHLORODIBENZOFURAN	215	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3480	pg/g				✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	PENTACHLORO DIBENZOFURAN	20.8	pg/g	J			✓
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.2	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.74	pg/g	JK	J	VJ	
SIB-SC-105-1-2-07/28/2022	20419013	E1613B	TOTAL HpCDFs	222	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	187	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1070	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.3	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.9	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.06	pg/g	J			✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.94	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.3	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.9	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.61	pg/g	J			✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.33	pg/g	K	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.43	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.12	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	32.1	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	32.1	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.88	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.59	pg/g		DNR	EXC	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	Heptachlorodibenzo-P-Dioxin	2020	pg/g	E	J	ACR	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	HEXACHLORODIBENZOFURAN	233	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	386	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	OCTACHLORODIBENZOFURAN	909	pg/g				✓
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13500	pg/g	E	J	ACR	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	PENTACHLORO DIBENZOFURAN	73.3	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	83.5	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	97.5	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17	pg/g	JK	J	VJ	
SIB-SC-105-2-3-07/28/2022	20419014	E1613B	TOTAL HpCDFs	812	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	103	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	487	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.94	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.99	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.99	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.87	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.9	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.02	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.12	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.21	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.77	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.52	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.12	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.2	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.2	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.83	pg/g		DNR	EXC	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.81	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.735	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	Heptachlorodibenzo-P-Dioxin	955	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	HEXACHLORODIBENZOFURAN	124	pg/g	J			✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	191	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	OCTACHLORODIBENZOFURAN	492	pg/g				✓
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5930	pg/g	E	J	ACR	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	PENTACHLORO DIBENZOFURAN	49.6	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	38.3	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.4	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.29	pg/g	JK	J	VJ	
SIB-SC-105-3-4-07/28/2022	20419015	E1613B	TOTAL HpCDFs	453	pg/g	J			✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	101	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	638	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.67	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.17	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.59	pg/g	J			✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.82	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.7	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.8	pg/g	J			✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.33	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.04	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.86	pg/g	J			✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.4	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.4	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.12	pg/g		DNR	EXC	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.43	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.912	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	Heptachlorodibenzo-P-Dioxin	1240	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	HEXACHLORODIBENZOFURAN	144	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	414	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	OCTACHLORODIBENZOFURAN	398	pg/g				✓
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8150	pg/g	E	J	ACR	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	PENTACHLORO DIBENZOFURAN	40.2	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	95.6	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	36	pg/g	K	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.6	pg/g	JK	J	VJ	
SIB-SC-105-4-5-07/28/2022	20419016	E1613B	TOTAL HpCDFs	431	pg/g	JK	J	VJ	
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	92.6	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	561	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.12	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.31	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.31	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.61	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.3	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.38	pg/g	JK	J	VJ	
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.6	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.96	pg/g	J			✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.4	pg/g				✓
SIB-SC-105-5-6-07/28/2022	20419017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.4	pg/g				✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.45	pg/g	K	DNR	EXC	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.781	pg/g				✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	Heptachlorodibenzo-P-Dioxin	1090	pg/g				✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	HEXACHLORODIBENZOFURAN	131	pg/g	JK	J	VJ	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	255	pg/g	J			✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	OCTACHLORODIBENZOFURAN	373	pg/g				✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6720	pg/g	E	J	ACR	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	PENTACHLORO DIBENZOFURAN	42.4	pg/g	JK	J	VJ	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	55	pg/g	JK	J	VJ	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	43	pg/g	K	J	VJ	
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.9	pg/g	J			✓
SIB-SC-I05-5-6-07/28/2022	20419017	E1613B	TOTAL HpCDFs	399	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	122	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	388	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.1	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.88	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.13	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.68	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.22	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.86	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.41	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.58	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.63	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.17	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.06	pg/g	K	DNR	EXC	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.513	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	Heptachlorodibenzo-P-Dioxin	770	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	HEXACHLORODIBENZOFURAN	143	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	98.3	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	OCTACHLORODIBENZOFURAN	434	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4550	pg/g	E	J	ACR	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	PENTACHLORO DIBENZOFURAN	51	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.6	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	32.8	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	TETRACHLORODIBENSO-P-DIOXIN	6.75	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20419018	E1613B	TOTAL HpCDFs	472	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	92.1	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	282	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.84	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.64	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.54	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.33	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.06	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.5	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.72	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.73	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.03	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.31	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.66	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.8	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.8	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.33	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.63	pg/g		DNR	EXC	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.61	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	Heptachlorodibenzo-P-Dioxin	555	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	HEXACHLORODIBENZOFURAN	111	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	69.1	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	OCTACHLORODIBENZOFURAN	348	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3300	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	PENTACHLORO DIBENZOFURAN	38.6	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.8	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	22.9	pg/g	K	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.48	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20419019	E1613B	TOTAL HpCDFs	380	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	196	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	180	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.63	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.15	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.47	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.05	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.76	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.8	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.15	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.89	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.73	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.1	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.1	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	pg/g		DNR	EXC	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.52	pg/g	K	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.63	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	Heptachlorodibenzo-P-Dioxin	438	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	HEXACHLORODIBENZOFURAN	186	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	72.8	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	OCTACHLORODIBENZOFURAN	179	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2940	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	PENTACHLORO DIBENZOFURAN	112	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.7	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.5	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.15	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20419020	E1613B	TOTAL HpCDFs	423	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	119	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	280	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.72	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.06	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.97	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.65	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.67	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.76	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.25	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.86	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	pg/g		DNR	EXC	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.08	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.829	pg/g	K	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	Heptachlorodibenzo-P-Dioxin	605	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	HEXACHLORODIBENZOFURAN	151	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	101	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	OCTACHLORODIBENZOFURAN	255	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3520	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	PENTACHLORO DIBENZOFURAN	72.7	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	23.2	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	35.2	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.43	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20419021	E1613B	TOTAL HpCDFs	368	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	180	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	325	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.36	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.94	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.71	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.3	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.02	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.59	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.99	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.69	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.09	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.1	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.1	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	pg/g		DNR	EXC	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.711	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	Heptachlorodibenzo-P-Dioxin	770	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	HEXACHLORODIBENZOFURAN	198	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	121	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	OCTACHLORODIBENZOFURAN	344	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4760	pg/g	E	J	ACR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	PENTACHLORO DIBENZOFURAN	143	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.4	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	48.1	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.8	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20419022	E1613B	TOTAL HpCDFs	509	pg/g	JK	J	VJ	



REVISED DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20420

Revised May 12, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

This report is revised to include an additional matrix spike and matrix spike duplicate, corrected sample index and qualified data summary table.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20419	SIB-SC-I08-1-2-07/28/2022	20419001	SE	✓
20419	FD-22-07/28/2022	20419002	SE	✓
20419	SIB-SC-I08-2-3-07/28/2022	20419003	SE	✓
20419	SIB-SC-I08-3-4-07/28/2022	20419006	SE	✓
20419	SIB-SC-I08-4-5-07/28/2022	20419007	SE	✓
20419	SIB-SC-I08-5-6-07/28/2022	20419008	SE	✓
20419	SIB-SC-P07-0-1-07/28/2022	20419009	SE	✓
20419	SIB-SC-P07-1-2-07/28/2022	20419010	SE	✓
20419	SIB-SC-P07-2-3-07/28/2022	20419011	SE	✓
20419	SIB-SC-P07-3-3.9-07/28/2022	20419012	SE	✓
20419	SIB-SC-I05-1-2-07/28/2022	20419013	SE	✓
20419	SIB-SC-I05-2-3-07/28/2022	20419014	SE	✓
20419	SIB-SC-I05-3-4-07/28/2022	20419015	SE	✓
20419	SIB-SC-I05-4-5-07/28/2022	20419016	SE	✓
20419	SIB-SC-I05-5-6-07/28/2022	20419017	SE	✓
20419	SIB-SC-D10-1-2-08/03/2022	20419018	SE	✓
20419	SIB-SC-D10-2-3-08/03/2022	20419019	SE	✓
20419	SIB-SC-D10-3-4-08/03/2022	20419020	SE	✓
20419	SIB-SC-D10-4-5-08/03/2022	20419021	SE	✓
20419	SIB-SC-D10-5-6-08/03/2022	20419022	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20420	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 4 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 10 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-D08-3-4-08/04/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D07-5-6-08/04/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D08-4-5-08/04/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D08-5-6-08/04/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB06-08/04/2022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20187. EB06-08/04/2022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

One set of MS/MSD analyses were performed using Sample SIB-SC-D07-2-3-08/04/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	Parent conc. > 4x spike		30.1	J-MSP
1,2,3,4,6,7,8,9-OCDD	Parent conc. > 4x spike		37.3	J-MSP
1,2,3,4,6,7,8-HpCDF	63.2	137	27.8	J-MSH,MSL,MSP
OCDF	49.5	OK	21.5	J-MSL,MSP

One set of MS/MSD analyses were performed using Sample SIB-SC-E10-2-3-08/05/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	55.9	65.2	--	J-MSL
OCDF	39.0	--	--	J-MSL
1,2,3,4,6,7,8-HpCDF	--	--	43.3	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field replicates were submitted. For FD-25-08/04/2022 & SIB-SC-D07-1-2-08/04/2022, field precision was acceptable.

For FD-26-08/05/2022 and SIB-SC-E10-1-2-08/05/2022, the following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8-HxCDF	DIFFERENCE	J-FDPA
1,2,3,6,7,8-HxCDD	DIFFERENCE	J-FDPA
1,2,3,7,8,9-HxCDD	DIFFERENCE	J-FDPA
2,3,7,8-TCDF	DIFFERENCE	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	RPD	J-FDPR
Total TCDF	RPD	J-FDPR
Total TCDD	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
-----	-----------------------------------------------------------------------------------------

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	232	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	697	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	21.8	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.96	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.9	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.7	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.13	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.6	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.67	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.19	pg/g	K	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.7	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.37	pg/g		DNR	EXC	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.71	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	Heptachlorodibenzo-P-Dioxin	1430	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	HEXACHLORODIBENZOFURAN	311	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	205	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	OCTACHLORODIBENZOFURAN	750	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8210	pg/g	E	J	ACR	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	PENTACHLORO DIBENZOFURAN	165	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	38.8	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	99.8	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.9	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20420001	E1613B	TOTAL HpCDFs	845	pg/g	J			✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	211	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	724	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.5	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.6	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.74	pg/g	J			✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.5	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25.1	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.7	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-25-08/04/2022	20420002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.01	pg/g	J			✓
FD-25-08/04/2022	20420002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.53	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.95	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.76	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29.2	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29.2	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.32	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.1	pg/g		DNR	EXC	
FD-25-08/04/2022	20420002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.63	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	Heptachlorodibenzo-P-Dioxin	1480	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	HEXACHLORODIBENZOFURAN	267	pg/g	JK	J	VJ	
FD-25-08/04/2022	20420002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	201	pg/g	J			✓
FD-25-08/04/2022	20420002	E1613B	OCTACHLORODIBENZOFURAN	707	pg/g				✓
FD-25-08/04/2022	20420002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8670	pg/g	E	J	ACR	
FD-25-08/04/2022	20420002	E1613B	PENTACHLORO DIBENZOFURAN	156	pg/g	JK	J	VJ	
FD-25-08/04/2022	20420002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	43.5	pg/g	JK	J	VJ	
FD-25-08/04/2022	20420002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	95.3	pg/g	JK	J	VJ	
FD-25-08/04/2022	20420002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	22.1	pg/g	JK	J	VJ	
FD-25-08/04/2022	20420002	E1613B	TOTAL HpCDFs	799	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	165	pg/g		J	MSH,MSL,MSP	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	519	pg/g		J	MSP	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.68	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.51	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.8	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.6	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.02	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.79	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.99	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.08	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.2	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.2	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.93	pg/g		DNR	EXC	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.98	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.53	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	Heptachlorodibenzo-P-Dioxin	1140	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	HEXACHLORODIBENZOFURAN	223	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	178	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	OCTACHLORODIBENZOFURAN	418	pg/g		J	MSL,MSP	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6370	pg/g	E	J	ACR,MSP	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	PENTACHLORO DIBENZOFURAN	142	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.3	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	54.8	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.2	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20420003	E1613B	TOTAL HpCDFs	540	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.5	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	129	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.94	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.53	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.21	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.939	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.78	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.947	pg/g	BJ			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.895	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.74	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.15	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.48	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.48	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.793	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.515	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	Heptachlorodibenzo-P-Dioxin	324	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	HEXACHLORODIBENZOFURAN	90.2	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	51.2	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	OCTACHLORODIBENZOFURAN	127	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2100	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	PENTACHLORO DIBENZOFURAN	65.5	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.1	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.42	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20420006	E1613B	TOTAL HpCDFs	202	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	54	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	107	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.34	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.21	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.865	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.54	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.08	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.703	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.687	pg/g	BJ			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.655	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.05	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.59	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.59	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.729	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.358	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	Heptachlorodibenzo-P-Dioxin	260	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	HEXACHLORODIBENZOFURAN	66.3	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.8	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	OCTACHLORODIBENZOFURAN	119	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1630	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	PENTACHLORO DIBENZOFURAN	46.4	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	PENTACHLORODIBENZO-P-DIOXIN	8.48	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.72	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20420007	E1613B	TOTAL HpCDFs	162	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.1	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	39	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.21	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	BJ	U	MBL	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.346	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.45	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.409	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.877	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.389	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.399	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.05	pg/g	BJ			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.35	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.48	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.413	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	Heptachlorodibenzo-P-Dioxin	96	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	HEXACHLORODIBENZOFURAN	28.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	15.5	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	OCTACHLORODIBENZOFURAN	43.4	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	621	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	PENTACHLORO DIBENZOFURAN	21.1	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	PENTACHLORODIBENZO-P-DIOXIN	3.84	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.46	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.69	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20420008	E1613B	TOTAL HpCDFs	66.3	pg/g	J			✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	177	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	543	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.58	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.41	pg/g	J			✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.3	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.75	pg/g	J			✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.44	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.53	pg/g	J			✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.27	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.97	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.06	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.6	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.6	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.31	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.36	pg/g	K	DNR	EXC	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.959	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	Heptachlorodibenzo-P-Dioxin	1110	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	HEXACHLORODIBENZOFURAN	223	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	146	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	OCTACHLORODIBENZOFURAN	566	pg/g				✓
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5910	pg/g	E	J	ACR	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	PENTACHLORO DIBENZOFURAN	115	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	26.9	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	52.1	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.8	pg/g	JK	J	VJ	
SIB-SC-D08-1-2-08/04/2022	20420009	E1613B	TOTAL HpCDFs	664	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	54.7	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	110	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.31	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.819	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.67	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.75	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.732	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.773	pg/g	BJ			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.674	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.59	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.18	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.38	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.53	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.666	pg/g	JK	J	VJ	
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	Heptachlorodibenzo-P-Dioxin	274	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	HEXACHLORODIBENZOFURAN	69.5	pg/g	JK	J	VJ	
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.7	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	OCTACHLORODIBENZOFURAN	111	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1680	pg/g				✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	PENTACHLORO DIBENZOFURAN	48.8	pg/g	JK	J	VJ	
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.13	pg/g	J			✓
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.8	pg/g	JK	J	VJ	
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.48	pg/g	JK	J	VJ	
SIB-SC-D08-2-3-08/04/2022	20420010	E1613B	TOTAL HpCDFs	163	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.1	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	60.9	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.29	pg/g	BJ			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.591	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.82	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.498	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.483	pg/g	BJ	U	MBL	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.477	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.39	pg/g	BJ			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.45	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.57	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.414	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	Heptachlorodibenzo-P-Dioxin	161	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	HEXACHLORODIBENZOFURAN	42.1	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	24.8	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	OCTACHLORODIBENZOFURAN	38.3	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1140	pg/g				✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	PENTACHLORO DIBENZOFURAN	33.3	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.28	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.5	pg/g	JK	J	VJ	
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.42	pg/g	J			✓
SIB-SC-D08-3-4-08/04/2022	20420011	E1613B	TOTAL HpCDFs	90.4	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	52.6	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	69.6	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.85	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.54	pg/g	BJ			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.561	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.53	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.22	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.523	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.43	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.541	pg/g	BJ	U	MBL	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.557	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.64	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.72	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.72	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.446	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.336	pg/g	J			✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	Heptachlorodibenzo-P-Dioxin	189	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	HEXACHLORODIBENZOFURAN	62.3	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	32.3	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	OCTACHLORODIBENZOFURAN	68.3	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1280	pg/g				✓
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	PENTACHLORO DIBENZOFURAN	50.8	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.3	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.1	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.23	pg/g	JK	J	VJ	
SIB-SC-D08-4-5-08/04/2022	20420012	E1613B	TOTAL HpCDFs	130	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.02	pg/g	BJ			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.17	pg/g				✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.211	pg/g	BJ	U	MBL	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.315	pg/g	BJ	U	MBL	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.327	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.207	pg/g	J			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.25	pg/g				✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.552	pg/g				✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.26	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	Heptachlorodibenzo-P-Dioxin	13.9	pg/g				✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	HEXACHLORODIBENZOFURAN	3.63	pg/g	BJK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.47	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	OCTACHLORODIBENZOFURAN	4.02	pg/g	BJ			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	81.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	PENTACHLORO DIBENZOFURAN	2.47	pg/g	BJ			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.843	pg/g	J			✓
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.2	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.618	pg/g	JK	J	VJ	
SIB-SC-D08-5-6-08/04/2022	20420013	E1613B	TOTAL HpCDFs	8.78	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	103	pg/g		J	FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	398	pg/g		J	FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.48	pg/g				✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.22	pg/g		J	FDPA	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.2	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.11	pg/g				✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.3	pg/g		J	FDPA	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.69	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.6	pg/g		J	FDPA	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.8	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	JK	J	VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.56	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.2	pg/g				✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.2	pg/g				✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.87	pg/g		J	FDPA	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.12	pg/g		DNR	EXC	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.589	pg/g				✓
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	Heptachlorodibenzo-P-Dioxin	829	pg/g		J	FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	HEXACHLORODIBENZOFURAN	131	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	109	pg/g	J	J	FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	OCTACHLORODIBENZOFURAN	298	pg/g		J	FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4470	pg/g	E	J	ACR,FDPR	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	PENTACHLORO DIBENZOFURAN	68.5	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.7	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	35.4	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.76	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-1-2-08/05/2022	20420014	E1613B	TOTAL HpCDFs	362	pg/g	J	J	FDPR	
FD-26-08/05/2022	20420015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	247	pg/g		J	FDPR	
FD-26-08/05/2022	20420015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	984	pg/g		J	FDPR	
FD-26-08/05/2022	20420015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.7	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	19.7	pg/g		J	FDPA	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-26-08/05/2022	20420015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.94	pg/g	K	J	VJ	
FD-26-08/05/2022	20420015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.6	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	36.3	pg/g		J	FDPA	
FD-26-08/05/2022	20420015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.12	pg/g	J			✓
FD-26-08/05/2022	20420015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g		J	FDPA	
FD-26-08/05/2022	20420015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.3	pg/g	J			✓
FD-26-08/05/2022	20420015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.84	pg/g	K	J	VJ	
FD-26-08/05/2022	20420015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.9	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	35.5	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	35.5	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.27	pg/g		DNR	EXC	
FD-26-08/05/2022	20420015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.26	pg/g		J	FDPA	
FD-26-08/05/2022	20420015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.29	pg/g				✓
FD-26-08/05/2022	20420015	E1613B	Heptachlorodibenzo-P-Dioxin	1980	pg/g		J	FDPR	
FD-26-08/05/2022	20420015	E1613B	HEXACHLORODIBENZOFURAN	322	pg/g	JK	J	FDPR,VJ	
FD-26-08/05/2022	20420015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	284	pg/g	JK	J	FDPR,VJ	
FD-26-08/05/2022	20420015	E1613B	OCTACHLORODIBENZOFURAN	801	pg/g		J	FDPR	
FD-26-08/05/2022	20420015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11000	pg/g	E	J	ACR,FDPR	
FD-26-08/05/2022	20420015	E1613B	PENTACHLORO DIBENZOFURAN	163	pg/g	JK	J	FDPR,VJ	
FD-26-08/05/2022	20420015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.2	pg/g	JK	J	FDPR,VJ	
FD-26-08/05/2022	20420015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	81.8	pg/g	JK	J	FDPR,VJ	
FD-26-08/05/2022	20420015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.9	pg/g	J	J	FDPR	
FD-26-08/05/2022	20420015	E1613B	TOTAL HpCDFs	916	pg/g	JK	J	FDPR,VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	140	pg/g		J	MSP	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	341	pg/g		J	MSL	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.93	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.82	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.4	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.46	pg/g	JK	J	VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.56	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.63	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.3	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.3	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.66	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.76	pg/g		DNR	EXC	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.73	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	Heptachlorodibenzo-P-Dioxin	721	pg/g				✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	HEXACHLORODIBENZOFURAN	168	pg/g	JK	J	VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	91.4	pg/g	JK	J	VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	OCTACHLORODIBENZOFURAN	423	pg/g		J	MSL	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4390	pg/g	E	J	ACR	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	PENTACHLORO DIBENZOFURAN	89.4	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	48.6	pg/g	JK	J	VJ	
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.91	pg/g	J			✓
SIB-SC-E10-2-3-08/05/2022	20420016	E1613B	TOTAL HpCDFs	506	pg/g	JK	J	VJ	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	429	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	490	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	30.7	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.9	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.7	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.12	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.56	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.36	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.4	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	13.1	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.2	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.2	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.91	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.13	pg/g		DNR	EXC	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.926	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	Heptachlorodibenzo-P-Dioxin	1080	pg/g				✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	HEXACHLORODIBENZOFURAN	393	pg/g	JK	J	VJ	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	159	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	OCTACHLORODIBENZOFURAN	608	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6560	pg/g	E	J	ACR	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	PENTACHLORO DIBENZOFURAN	251	pg/g	JK	J	VJ	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	32.6	pg/g	J			✓
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	85.4	pg/g	JK	J	VJ	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-E10-3-4-08/05/2022	20420019	E1613B	TOTAL HpCDFs	1060	pg/g	J			✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	324	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	785	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.3	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.12	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	20	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.3	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.08	pg/g	J			✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.6	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.86	pg/g	J			✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.71	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.5	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.59	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	33.4	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	33.4	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.07	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	pg/g		DNR	EXC	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.58	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	Heptachlorodibenzo-P-Dioxin	1660	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	HEXACHLORODIBENZOFURAN	375	pg/g	JK	J	VJ	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	248	pg/g	J			✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	OCTACHLORODIBENZOFURAN	827	pg/g				✓
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10200	pg/g	E	J	ACR	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	PENTACHLORO DIBENZOFURAN	213	pg/g	JK	J	VJ	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	46.7	pg/g	JK	J	VJ	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	69.8	pg/g	JK	J	VJ	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.3	pg/g	JK	J	VJ	
SIB-SC-E10-4-5-08/05/2022	20420020	E1613B	TOTAL HpCDFs	1020	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	146	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	253	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.89	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.68	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.86	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.54	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.73	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.51	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.29	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.26	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.14	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	pg/g		DNR	EXC	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.27	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.524	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	Heptachlorodibenzo-P-Dioxin	622	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	HEXACHLORODIBENZOFURAN	169	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	90.2	pg/g	J			✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	OCTACHLORODIBENZOFURAN	272	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4040	pg/g				✓
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	PENTACHLORO DIBENZOFURAN	115	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.7	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	38.7	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.85	pg/g	JK	J	VJ	
SIB-SC-E10-5-6-08/05/2022	20420021	E1613B	TOTAL HpCDFs	406	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20421

February 17, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20421	SIB-SC-E09-1-2-08052022	20421001	SE	✓
20421	SIB-SC-E09-2-3-08052022	20421002	SE	✓
20421	SIB-SC-E09-3-4-08052022	20421003	SE	✓
20421	SIB-SC-E09-4-5-08052022	20421004	SE	✓
20421	SIB-SC-E09-5-6-08052022	20421005	SE	✓
20421	SIB-SC-E08-1-2-08052022	20421006	SE	✓
20421	SIB-SC-E08-2-3-08052022	20421007	SE	✓
20421	SIB-SC-E08-3-4-08052022	20421008	SE	✓
20421	SIB-SC-E08-4-5-08052022	20421009	SE	✓
20421	SIB-SC-E08-5-6-08052022	20421010	SE	✓
20421	SIB-SC-E07-1-2-08062022	20421011	SE	✓
20421	SIB-SC-E07-2-3-08062022	20421012	SE	✓
20421	SIB-SC-E07-3-4-08062022	20421013	SE	✓
20421	SIB-SC-E07-4-5-08062022	20421014	SE	✓
20421	SIB-SC-E07-5-6-08062022	20421015	SE	✓
20421	SIB-SC-E06-1-2-08/08/2066	20421016	SE	✓
20421	FD-28-08/08/2022	20421017	SE	✓
20421	SIB-SC-E06-2-3-08082022	20421018	SE	✓
20421	SIB-SC-E06-3-4-08082022	20421019	SE	✓
20421	SIB-SC-E06-4-5-08082022	20421020	SE	✓
20421	SIB-SC-E06-5-6-08082022	20421023	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20421	21 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

Sample SIB-SC-E06-1-2-08/08/2022 on the chain-of-custody (COC) was entered as SIB-SC-E06-1-2-08/08/2066 in the EDD. The sample ID was correct in the PDF.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample identification (ID) date suffixes were missing the "/" in the EDD as noted on the chains-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 51273: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E09-4-5-08/05/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E09-5-6-08/05/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E08-3-4-08/05/2022	1,2,3,7,8-PeCDF	U-MBL
	1,2,3,7,8-PeCDD	U-MBL
SIB-SC-E08-5-6-08/05/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E07-4-5-08/06/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E06-5-6-08/08/2022	1,2,3,7,8-PeCDD	U-MBL

Extraction Batch 51294: Although there were positive results in the method blank, all positive results in the associated samples were greater than the action level; no qualifiers were required.

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-E06-4-5-08/08/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	131	-120	92.8	J-MSH,MSLX,MSP
1,2,3,4,6,7,8-HpCDF	134	-61.2	85.4	J-MSH,MSLX,MSP
1,2,3,6,7,8-HxCDF	OK	OK	20.2	J-MSP
OCDF	OK	22.9	73.9	J-MSLX,MSP
OCDD	Parent conc. > 4x spike		132	J-MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-E06-1-2-08/08/2022 & FD-28-08/08/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated

positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	233	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	746	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.1	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.71	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.7	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.1	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.56	pg/g	J			✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.6	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.56	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.01	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.1	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.1	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.93	pg/g		DNR	EXC	
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.89	pg/g	K	J	VJ	
SIB-SC-E09-1-2-08052022	20421001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.73	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	Heptachlorodibenzo-P-Dioxin	1600	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	HEXACHLORODIBENZOFURAN	306	pg/g	JK	J	VJ	
SIB-SC-E09-1-2-08052022	20421001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	245	pg/g	J			✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	OCTACHLORODIBENZOFURAN	607	pg/g				✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9190	pg/g	E	J	ACR	
SIB-SC-E09-1-2-08052022	20421001	E1613B	PENTACHLORO DIBENZOFURAN	170	pg/g	JK	J	VJ	
SIB-SC-E09-1-2-08052022	20421001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.4	pg/g	JK	J	VJ	
SIB-SC-E09-1-2-08052022	20421001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	67	pg/g	J			✓
SIB-SC-E09-1-2-08052022	20421001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.8	pg/g	JK	J	VJ	
SIB-SC-E09-1-2-08052022	20421001	E1613B	TOTAL HpCDFs	774	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	205	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	501	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.44	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.09	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.8	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.8	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.68	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.09	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.95	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.43	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.87	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.7	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.7	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.76	pg/g		DNR	EXC	
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.75	pg/g	K	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.97	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	Heptachlorodibenzo-P-Dioxin	1210	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	HEXACHLORODIBENZOFURAN	254	pg/g	JK	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	192	pg/g	J			✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	OCTACHLORODIBENZOFURAN	468	pg/g				✓
SIB-SC-E09-2-3-08052022	20421002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7200	pg/g	E	J	ACR	
SIB-SC-E09-2-3-08052022	20421002	E1613B	PENTACHLORO DIBENZOFURAN	177	pg/g	JK	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	34.4	pg/g	JK	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	59.1	pg/g	JK	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-E09-2-3-08052022	20421002	E1613B	TOTAL HpCDFs	618	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	230	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	476	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.2	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.8	pg/g	J			✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.7	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.3	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.84	pg/g	J			✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.14	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.13	pg/g	J			✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.49	pg/g	J			✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.2	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.86	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.9	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.9	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.1	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.12	pg/g		DNR	EXC	
SIB-SC-E09-3-4-08052022	20421003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.02	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E09-3-4-08052022	20421003	E1613B	Heptachlorodibenzo-P-Dioxin	1130	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	HEXACHLORODIBENZOFURAN	269	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	173	pg/g	J			✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	OCTACHLORODIBENZOFURAN	478	pg/g				✓
SIB-SC-E09-3-4-08052022	20421003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7130	pg/g	E	J	ACR	
SIB-SC-E09-3-4-08052022	20421003	E1613B	PENTACHLORO DIBENZOFURAN	170	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	34.7	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	64.4	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.4	pg/g	JK	J	VJ	
SIB-SC-E09-3-4-08052022	20421003	E1613B	TOTAL HpCDFs	662	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	26.9	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	58.3	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.27	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	BJ	U	MBL	
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.536	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.84	pg/g	BJ			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.12	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.55	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.44	pg/g	BJ	U	MBL	
SIB-SC-E09-4-5-08052022	20421004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.432	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.05	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.986	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.02	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.04	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.336	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.288	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	Heptachlorodibenzo-P-Dioxin	138	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	HEXACHLORODIBENZOFURAN	28.9	pg/g	J			✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	23	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	OCTACHLORODIBENZOFURAN	48.2	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	896	pg/g				✓
SIB-SC-E09-4-5-08052022	20421004	E1613B	PENTACHLORO DIBENZOFURAN	18.9	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.11	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.03	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.47	pg/g	JK	J	VJ	
SIB-SC-E09-4-5-08052022	20421004	E1613B	TOTAL HpCDFs	73.9	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.36	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	18	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.475	pg/g	J			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.536	pg/g	BJ	U	MBL	
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.82	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.794	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.228	pg/g	J			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.522	pg/g	J			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.195	pg/g	BJ	U	MBL	
SIB-SC-E09-5-6-08052022	20421005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.212	pg/g	BJ	U	MBL	
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.431	pg/g	J			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.411	pg/g	J			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.03	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.19	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	Heptachlorodibenzo-P-Dioxin	44.4	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	HEXACHLORODIBENZOFURAN	10.9	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	8.29	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	OCTACHLORODIBENZOFURAN	15.6	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	283	pg/g				✓
SIB-SC-E09-5-6-08052022	20421005	E1613B	PENTACHLORO DIBENZOFURAN	7.39	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.01	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.26	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.03	pg/g	JK	J	VJ	
SIB-SC-E09-5-6-08052022	20421005	E1613B	TOTAL HpCDFs	24.3	pg/g	J			✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	267	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	863	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	19.3	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.11	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.3	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.5	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.17	pg/g	J			✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.5	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.15	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E08-1-2-08052022	20421006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.84	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.6	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	34.4	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	34.4	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.41	pg/g		DNR	EXC	
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.27	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.05	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	Heptachlorodibenzo-P-Dioxin	1830	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	HEXACHLORODIBENZOFURAN	326	pg/g	JK	J	VJ	
SIB-SC-E08-1-2-08052022	20421006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	249	pg/g	J			✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	OCTACHLORODIBENZOFURAN	757	pg/g				✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10900	pg/g	E	J	ACR	
SIB-SC-E08-1-2-08052022	20421006	E1613B	PENTACHLORO DIBENZOFURAN	172	pg/g	JK	J	VJ	
SIB-SC-E08-1-2-08052022	20421006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	46.9	pg/g	JK	J	VJ	
SIB-SC-E08-1-2-08052022	20421006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	87.9	pg/g	J			✓
SIB-SC-E08-1-2-08052022	20421006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	21.9	pg/g	JK	J	VJ	
SIB-SC-E08-1-2-08052022	20421006	E1613B	TOTAL HpCDFs	926	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	85.3	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	262	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.86	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.44	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.23	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.27	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.67	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.42	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.41	pg/g	BJ			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.33	pg/g	BJ			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.35	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.9	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.1	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.1	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.958	pg/g	J			✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.68	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	Heptachlorodibenzo-P-Dioxin	579	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	HEXACHLORODIBENZOFURAN	121	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E08-2-3-08052022	20421007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	88.6	pg/g	JK	J	VJ	
SIB-SC-E08-2-3-08052022	20421007	E1613B	OCTACHLORODIBENZOFURAN	223	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3260	pg/g				✓
SIB-SC-E08-2-3-08052022	20421007	E1613B	PENTACHLORO DIBENZOFURAN	71.2	pg/g	JK	J	VJ	
SIB-SC-E08-2-3-08052022	20421007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.9	pg/g	JK	J	VJ	
SIB-SC-E08-2-3-08052022	20421007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.9	pg/g	JK	J	VJ	
SIB-SC-E08-2-3-08052022	20421007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.48	pg/g	JK	J	VJ	
SIB-SC-E08-2-3-08052022	20421007	E1613B	TOTAL HpCDFs	282	pg/g	JK	J	VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	51.1	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	86.3	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.81	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.9	pg/g	BJ			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.656	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.29	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.48	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.64	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.4	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.642	pg/g	BJ	U	MBL	
SIB-SC-E08-3-4-08052022	20421008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.433	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.32	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.86	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.35	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.48	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.592	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	Heptachlorodibenzo-P-Dioxin	213	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	HEXACHLORODIBENZOFURAN	60.8	pg/g	JK	J	VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	33.1	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	OCTACHLORODIBENZOFURAN	83.8	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1310	pg/g				✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	PENTACHLORO DIBENZOFURAN	45.3	pg/g	JK	J	VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.45	pg/g	JK	J	VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.3	pg/g	JK	J	VJ	
SIB-SC-E08-3-4-08052022	20421008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.77	pg/g	J			✓
SIB-SC-E08-3-4-08052022	20421008	E1613B	TOTAL HpCDFs	138	pg/g	J			✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	330	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	899	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	18.4	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17.3	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.83	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	19.6	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	31.9	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.53	pg/g	J			✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.5	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.41	pg/g	J			✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.13	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	16.7	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	37	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	37	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.36	pg/g		DNR	EXC	
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.45	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.62	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	Heptachlorodibenzo-P-Dioxin	2030	pg/g	E	J	ACR	
SIB-SC-E08-4-5-08052022	20421009	E1613B	HEXACHLORODIBENZOFURAN	420	pg/g	JK	J	VJ	
SIB-SC-E08-4-5-08052022	20421009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	297	pg/g	J			✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	OCTACHLORODIBENZOFURAN	998	pg/g				✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12400	pg/g	E	J	ACR	
SIB-SC-E08-4-5-08052022	20421009	E1613B	PENTACHLORO DIBENZOFURAN	240	pg/g	JK	J	VJ	
SIB-SC-E08-4-5-08052022	20421009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	57	pg/g	J			✓
SIB-SC-E08-4-5-08052022	20421009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	85.3	pg/g	JK	J	VJ	
SIB-SC-E08-4-5-08052022	20421009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	34	pg/g	JK	J	VJ	
SIB-SC-E08-4-5-08052022	20421009	E1613B	TOTAL HpCDFs	1170	pg/g	JK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	60.2	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	120	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.31	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.68	pg/g	BJK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.708	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.76	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.83	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.785	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.13	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.712	pg/g	BJ	U	MBL	
SIB-SC-E08-5-6-08052022	20421010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.694	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.42	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.16	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.56	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.71	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.569	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	Heptachlorodibenzo-P-Dioxin	287	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	HEXACHLORODIBENZOFURAN	72.2	pg/g	JK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	38.4	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	OCTACHLORODIBENZOFURAN	131	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1820	pg/g				✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	PENTACHLORO DIBENZOFURAN	49.8	pg/g	JK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.3	pg/g	JK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.7	pg/g	JK	J	VJ	
SIB-SC-E08-5-6-08052022	20421010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.27	pg/g	J			✓
SIB-SC-E08-5-6-08052022	20421010	E1613B	TOTAL HpCDFs	182	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	70.4	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	152	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.03	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.24	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.35	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.11	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.65	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.924	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.42	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.12	pg/g	BJ			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.722	pg/g	BJK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.99	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.46	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.46	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.84	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.326	pg/g	J			✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	Heptachlorodibenzo-P-Dioxin	361	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	HEXACHLORODIBENZOFURAN	92.6	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	54.5	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	OCTACHLORODIBENZOFURAN	151	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E07-1-2-08062022	20421011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2210	pg/g				✓
SIB-SC-E07-1-2-08062022	20421011	E1613B	PENTACHLORO DIBENZOFURAN	66.5	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.1	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.2	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.6	pg/g	JK	J	VJ	
SIB-SC-E07-1-2-08062022	20421011	E1613B	TOTAL HpCDFs	207	pg/g	JK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	49.9	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	155	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.43	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.53	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.34	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.02	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.59	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.943	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.12	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.955	pg/g	BJ			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.949	pg/g	BJK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.57	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.13	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.1	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.1	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.03	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	pg/g	K	DNR	EXC	
SIB-SC-E07-2-3-08062022	20421012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.578	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	Heptachlorodibenzo-P-Dioxin	339	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	HEXACHLORODIBENZOFURAN	69.8	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	53.1	pg/g	JK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	OCTACHLORODIBENZOFURAN	118	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1940	pg/g				✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	PENTACHLORO DIBENZOFURAN	42.4	pg/g	J			✓
SIB-SC-E07-2-3-08062022	20421012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.4	pg/g	JK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19.9	pg/g	JK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.4	pg/g	JK	J	VJ	
SIB-SC-E07-2-3-08062022	20421012	E1613B	TOTAL HpCDFs	162	pg/g	JK	J	VJ	
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	304	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	629	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.6	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.55	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	22	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.9	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.26	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.52	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.9	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.3	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.3	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.35	pg/g	K	J	VJ	
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.55	pg/g		DNR	EXC	
SIB-SC-E07-3-4-08062022	20421013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.41	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	Heptachlorodibenzo-P-Dioxin	1480	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	HEXACHLORODIBENZOFURAN	356	pg/g	JK	J	VJ	
SIB-SC-E07-3-4-08062022	20421013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	233	pg/g	J			✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	OCTACHLORODIBENZOFURAN	612	pg/g				✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8770	pg/g	E	J	ACR	
SIB-SC-E07-3-4-08062022	20421013	E1613B	PENTACHLORO DIBENZOFURAN	208	pg/g	J			✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	43.6	pg/g	JK	J	VJ	
SIB-SC-E07-3-4-08062022	20421013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	68.5	pg/g	JK	J	VJ	
SIB-SC-E07-3-4-08062022	20421013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20	pg/g	J			✓
SIB-SC-E07-3-4-08062022	20421013	E1613B	TOTAL HpCDFs	879	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	33.8	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	39.2	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.42	pg/g	BJ			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.8	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.36	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.62	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.438	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E07-4-5-08062022	20421014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.43	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.3	pg/g	JK	J	VJ	
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.22	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.61	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	Heptachlorodibenzo-P-Dioxin	106	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	HEXACHLORODIBENZOFURAN	41.1	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.5	pg/g	J			✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	OCTACHLORODIBENZOFURAN	35.1	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	690	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	PENTACHLORO DIBENZOFURAN	25.8	pg/g	JK	J	VJ	
SIB-SC-E07-4-5-08062022	20421014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.82	pg/g	JK	J	VJ	
SIB-SC-E07-4-5-08062022	20421014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.69	pg/g	JK	J	VJ	
SIB-SC-E07-4-5-08062022	20421014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.29	pg/g				✓
SIB-SC-E07-4-5-08062022	20421014	E1613B	TOTAL HpCDFs	80.2	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	237	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	509	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.33	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.34	pg/g	J			✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	23.2	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.6	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.51	pg/g	J			✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.22	pg/g	J			✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.51	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.9	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.17	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.8	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.8	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.67	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.63	pg/g		DNR	EXC	
SIB-SC-E07-5-6-08062022	20421015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.65	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	Heptachlorodibenzo-P-Dioxin	1300	pg/g				✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	HEXACHLORODIBENZOFURAN	306	pg/g	JK	J	VJ	
SIB-SC-E07-5-6-08062022	20421015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	191	pg/g	JK	J	VJ	
SIB-SC-E07-5-6-08062022	20421015	E1613B	OCTACHLORODIBENZOFURAN	584	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E07-5-6-08062022	20421015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8950	pg/g	E	J	ACR	
SIB-SC-E07-5-6-08062022	20421015	E1613B	PENTACHLORO DIBENZOFURAN	202	pg/g	J			✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	38.3	pg/g	J			✓
SIB-SC-E07-5-6-08062022	20421015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	67.5	pg/g	JK	J	VJ	
SIB-SC-E07-5-6-08062022	20421015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.4	pg/g	JK	J	VJ	
SIB-SC-E07-5-6-08062022	20421015	E1613B	TOTAL HpCDFs	733	pg/g	J			✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	149	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	531	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.89	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17.8	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.45	pg/g	J			✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.4	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.81	pg/g	J			✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.6	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.28	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.83	pg/g	K	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.15	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.67	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23.7	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.7	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.9	pg/g		DNR	EXC	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.41	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.58	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	Heptachlorodibenzo-P-Dioxin	1090	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	HEXACHLORODIBENZOFURAN	211	pg/g	JK	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	159	pg/g	J			✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	OCTACHLORODIBENZOFURAN	445	pg/g				✓
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6420	pg/g	E	J	ACR	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	PENTACHLORO DIBENZOFURAN	130	pg/g	JK	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31.4	pg/g	JK	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	81.7	pg/g	JK	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.5	pg/g	JK	J	VJ	
SIB-SC-E06-1-2-08/08/2066	20421016	E1613B	TOTAL HpCDFs	511	pg/g	JK	J	VJ	
FD-28-08/08/2022	20421017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	159	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	584	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.14	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-28-08/08/2022	20421017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.92	pg/g	J			✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.4	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.5	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.03	pg/g	J			✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.8	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.59	pg/g	J			✓
FD-28-08/08/2022	20421017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.21	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.01	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.04	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.5	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.5	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.84	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.33	pg/g		DNR	EXC	
FD-28-08/08/2022	20421017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.99	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	Heptachlorodibenzo-P-Dioxin	1190	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	HEXACHLORODIBENZOFURAN	229	pg/g	JK	J	VJ	
FD-28-08/08/2022	20421017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	174	pg/g	J			✓
FD-28-08/08/2022	20421017	E1613B	OCTACHLORODIBENZOFURAN	532	pg/g				✓
FD-28-08/08/2022	20421017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6950	pg/g	E	J	ACR	
FD-28-08/08/2022	20421017	E1613B	PENTACHLORO DIBENZOFURAN	138	pg/g	J			✓
FD-28-08/08/2022	20421017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	34.7	pg/g	JK	J	VJ	
FD-28-08/08/2022	20421017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	79.2	pg/g	JK	J	VJ	
FD-28-08/08/2022	20421017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.1	pg/g	JK	J	VJ	
FD-28-08/08/2022	20421017	E1613B	TOTAL HpCDFs	597	pg/g	J			✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	254	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	885	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.7	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.8	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.07	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.5	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	31.1	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.3	pg/g	J			✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	18.3	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.26	pg/g	J			✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.29	pg/g	K	J	VJ	
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.2	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.29	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	35.2	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	35.2	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.83	pg/g		DNR	EXC	
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.52	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.3	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	Heptachlorodibenzo-P-Dioxin	1910	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	HEXACHLORODIBENZOFURAN	336	pg/g	JK	J	VJ	
SIB-SC-E06-2-3-08082022	20421018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	295	pg/g	J			✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	OCTACHLORODIBENZOFURAN	713	pg/g				✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10800	pg/g	E	J	ACR	
SIB-SC-E06-2-3-08082022	20421018	E1613B	PENTACHLORO DIBENZOFURAN	188	pg/g	JK	J	VJ	
SIB-SC-E06-2-3-08082022	20421018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	55.6	pg/g	JK	J	VJ	
SIB-SC-E06-2-3-08082022	20421018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	70.5	pg/g	JK	J	VJ	
SIB-SC-E06-2-3-08082022	20421018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25.2	pg/g	J			✓
SIB-SC-E06-2-3-08082022	20421018	E1613B	TOTAL HpCDFs	863	pg/g	JK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	96.9	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	173	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.94	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.07	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.61	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.37	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.72	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.6	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.25	pg/g	BJK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.07	pg/g	BJ			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.88	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.19	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.7	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.7	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.925	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.07	pg/g	K	DNR	EXC	
SIB-SC-E06-3-4-08082022	20421019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.422	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	Heptachlorodibenzo-P-Dioxin	460	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	HEXACHLORODIBENZOFURAN	123	pg/g	JK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	72.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E06-3-4-08082022	20421019	E1613B	OCTACHLORODIBENZOFURAN	165	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2960	pg/g				✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	PENTACHLORO DIBENZOFURAN	92.4	pg/g	JK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.8	pg/g	J			✓
SIB-SC-E06-3-4-08082022	20421019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.1	pg/g	JK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.29	pg/g	JK	J	VJ	
SIB-SC-E06-3-4-08082022	20421019	E1613B	TOTAL HpCDFs	266	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	192	pg/g		J	MSLX,MSH,MSP	
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	266	pg/g		J	MSLX,MSH,MSP	
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.78	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.96	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.12	pg/g	J			✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.2	pg/g		J	MSP	
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.35	pg/g	J			✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.55	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.19	pg/g	J			✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.88	pg/g	J			✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.33	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.18	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.7	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.7	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.67	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	pg/g		DNR	EXC	
SIB-SC-E06-4-5-08082022	20421020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.879	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	Heptachlorodibenzo-P-Dioxin	666	pg/g				✓
SIB-SC-E06-4-5-08082022	20421020	E1613B	HEXACHLORODIBENZOFURAN	226	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	108	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	OCTACHLORODIBENZOFURAN	288	pg/g		J	MSLX,MSP	
SIB-SC-E06-4-5-08082022	20421020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4480	pg/g	E	J	ACR,MSP	
SIB-SC-E06-4-5-08082022	20421020	E1613B	PENTACHLORO DIBENZOFURAN	168	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	64	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.7	pg/g	JK	J	VJ	
SIB-SC-E06-4-5-08082022	20421020	E1613B	TOTAL HpCDFs	491	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	63.8	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	98.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.64	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.12	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.754	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.56	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.3	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.954	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.52	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.672	pg/g	JK	UJ	MBL,VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.78	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.47	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.95	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.11	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.624	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	Heptachlorodibenzo-P-Dioxin	261	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	HEXACHLORODIBENZOFURAN	82.6	pg/g	J			✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	OCTACHLORODIBENZOFURAN	97.3	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1870	pg/g				✓
SIB-SC-E06-5-6-08082022	20421023	E1613B	PENTACHLORO DIBENZOFURAN	45.3	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.46	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.5	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.22	pg/g	JK	J	VJ	
SIB-SC-E06-5-6-08082022	20421023	E1613B	TOTAL HpCDFs	173	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20422

March 30, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20422	SIB-SC-E05-1-2-08082022	20422001	SE	✓
20422	SIB-SC-E05-2-3-08082022	20422002	SE	✓
20422	SIB-SC-E05-3-4-08082022	20422003	SE	✓
20422	SIB-SC-E05-4-5-08082022	20422004	SE	✓
20422	SIB-SC-E05-5-6-08082022	20422005	SE	✓
20422	SIB-SC-E04-1-2-08/08/2022	20422006	SE	✓
20422	FD-29-08/08/2022	20422007	SE	✓
20422	SIB-SC-E04-2-3-08082022	20422008	SE	✓
20422	SIB-SC-E04-3-4-08082022	20422011	SE	✓
20422	SIB-SC-E04-4-5-08082022	20422012	SE	✓
20422	SIB-SC-E04-5-6-08082022	20422013	SE	✓
20422	SIB-SC-D05-1-2-08092022	20422014	SE	✓
20422	SIB-SC-D05-2-3-08092022	20422015	SE	✓
20422	SIB-SC-D05-3-4-08092022	20422016	SE	✓
20422	SIB-SC-D05-4-5-08092022	20422017	SE	✓
20422	SIB-SC-D05-5-6-08092022	20422018	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20422	16 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-E05-4-5-08/08/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-E05-5-6-08/08/2022	1,2,3,4,7,8-HeCDF	U-MBL
	1,2,3,6,7,8-HeCDF	U-MBL
SIB-SC-E04-2-3-08/08/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D05-2-3-08/09/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-D05-3-4-08/09/2022	1,2,3,7,8-PeCDF	U-MBL
	OCDF	U-MBL
SIB-SC-D05-4-5-08/09/2022	1,2,3,7,8-PeCDF	U-MBL
	OCDF	U-MBL
SIB-SC-D05-5-6-08/09/2022	1,2,3,4,7,8-HeCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. No action is taken unless both the MS and MSD %R values are outside the control limits. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-E04-2-3-08/08/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	588	466	OK	J-MSH
1,2,3,4,6,7,8-HpCDF	185	162	OK	J-MSH
OCDF	215	189	OK	J-MSH
OCDD	Parent conc. > 4x spike		21.1	J-MSP

Certified Reference Material

Puget Sound Reference Material was analyzed with this SDG. All concentrations were within the advisory limits.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates, SIB-SC-E04-1-2-08/08/2022 & FD-29-08/08/2022, was submitted. The following results were qualified:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8-HxCDF	Difference	J-FDPA
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
1,2,3,7,8,9-HxCDD	Difference	J-FDPA
2,3,7,8-TCDF	Difference	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	RPD	J-FDPR
Total TCDF	RPD	J-FDPR
Total TCDD	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	70.3	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	208	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.17	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.27	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.05	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.62	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.13	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.49	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.36	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.37	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.55	pg/g	J			✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.46	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.46	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.79	pg/g		DNR	EXC	
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.8	pg/g	K	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.559	pg/g	K	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	Heptachlorodibenzo-P-Dioxin	452	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	HEXACHLORODIBENZOFURAN	90.7	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	66	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	OCTACHLORODIBENZOFURAN	157	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2520	pg/g				✓
SIB-SC-E05-1-2-08082022	20422001	E1613B	PENTACHLORO DIBENZOFURAN	54.2	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.6	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	32.5	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.21	pg/g	JK	J	VJ	
SIB-SC-E05-1-2-08082022	20422001	E1613B	TOTAL HpCDFs	218	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	57.9	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	187	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.61	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.21	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.93	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.63	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.877	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.85	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.04	pg/g	BJ			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.04	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.78	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.61	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.97	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.97	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.42	pg/g	K	DNR	EXC	
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.65	pg/g	K	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.545	pg/g	K	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	Heptachlorodibenzo-P-Dioxin	408	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	HEXACHLORODIBENZOFURAN	76.9	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	60	pg/g	J			✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	OCTACHLORODIBENZOFURAN	136	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2360	pg/g				✓
SIB-SC-E05-2-3-08082022	20422002	E1613B	PENTACHLORO DIBENZOFURAN	46.3	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.5	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.3	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.71	pg/g	JK	J	VJ	
SIB-SC-E05-2-3-08082022	20422002	E1613B	TOTAL HpCDFs	184	pg/g	J			✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	163	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	277	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.43	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.05	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.31	pg/g	J			✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.6	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.05	pg/g	J			✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.78	pg/g	K	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.17	pg/g	J			✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.32	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.72	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.62	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.4	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.4	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.53	pg/g	K	DNR	EXC	
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.86	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E05-3-4-08082022	20422003	E1613B	Heptachlorodibenzo-P-Dioxin	701	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	HEXACHLORODIBENZOFURAN	202	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	114	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	OCTACHLORODIBENZOFURAN	304	pg/g				✓
SIB-SC-E05-3-4-08082022	20422003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4900	pg/g	E	J	ACR	
SIB-SC-E05-3-4-08082022	20422003	E1613B	PENTACHLORO DIBENZOFURAN	114	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	25.5	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	50.1	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.5	pg/g	JK	J	VJ	
SIB-SC-E05-3-4-08082022	20422003	E1613B	TOTAL HpCDFs	450	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.9	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	41	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.902	pg/g	J			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.12	pg/g	BJ			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.2	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.34	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.726	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.528	pg/g	BJ	U	MBL	
SIB-SC-E05-4-5-08082022	20422004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.309	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.773	pg/g	J			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.777	pg/g	J			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.88	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.08	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.538	pg/g	J			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	Heptachlorodibenzo-P-Dioxin	93.7	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	HEXACHLORODIBENZOFURAN	19.3	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	14.3	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	OCTACHLORODIBENZOFURAN	33.5	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	569	pg/g				✓
SIB-SC-E05-4-5-08082022	20422004	E1613B	PENTACHLORO DIBENZOFURAN	10.6	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.66	pg/g	BJK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.99	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.01	pg/g	JK	J	VJ	
SIB-SC-E05-4-5-08082022	20422004	E1613B	TOTAL HpCDFs	44.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.1	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.359	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.48	pg/g	BJ	U	MBL	
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.545	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.263	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.237	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.494	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.792	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	Heptachlorodibenzo-P-Dioxin	33.4	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	HEXACHLORODIBENZOFURAN	6.5	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.09	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	OCTACHLORODIBENZOFURAN	12.2	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	211	pg/g				✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	PENTACHLORO DIBENZOFURAN	2.91	pg/g	BJK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.98	pg/g	BJK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.86	pg/g	JK	J	VJ	
SIB-SC-E05-5-6-08082022	20422005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.91	pg/g	J			✓
SIB-SC-E05-5-6-08082022	20422005	E1613B	TOTAL HpCDFs	16.5	pg/g	JK	J	VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	42.8	pg/g		J	FDPR	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	248	pg/g		J	FDPR	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.77	pg/g	JK	J	VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.25	pg/g	J	J	FDPA	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	J			✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.94	pg/g	JK	J	VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.2	pg/g		J	FDPA	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.766	pg/g	JK	J	VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.97	pg/g	K	J	FDPA,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.691	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.29	pg/g	JK	J	VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.56	pg/g	J			✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.81	pg/g				✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.81	pg/g				✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g		DNR	EXC	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.94	pg/g	K	J	VJ,FDPA	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.575	pg/g				✓
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	Heptachlorodibenzo-P-Dioxin	479	pg/g		J	FDPR	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	HEXACHLORODIBENZOFURAN	66.1	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	82.4	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	OCTACHLORODIBENZOFURAN	159	pg/g		J	FDPR	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2530	pg/g		J	FDPR	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	PENTACHLORO DIBENZOFURAN	23.2	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.9	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.8	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.89	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-1-2-08/08/2022	20422006	E1613B	TOTAL HpCDFs	180	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	170	pg/g		J	FDPR	
FD-29-08/08/2022	20422007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1000	pg/g		J	FDPR	
FD-29-08/08/2022	20422007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.3	pg/g		J	FDPA	
FD-29-08/08/2022	20422007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.47	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.6	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	42.7	pg/g		J	FDPA	
FD-29-08/08/2022	20422007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.43	pg/g	J			✓
FD-29-08/08/2022	20422007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	21.5	pg/g		J	FDPA	
FD-29-08/08/2022	20422007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.15	pg/g	J			✓
FD-29-08/08/2022	20422007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.94	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.17	pg/g	K	J	VJ	
FD-29-08/08/2022	20422007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.62	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	36.3	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	36.3	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.28	pg/g		DNR	EXC	
FD-29-08/08/2022	20422007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.07	pg/g		J	FDPA	
FD-29-08/08/2022	20422007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.26	pg/g				✓
FD-29-08/08/2022	20422007	E1613B	Heptachlorodibenzo-P-Dioxin	1920	pg/g		J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-29-08/08/2022	20422007	E1613B	HEXACHLORODIBENZOFURAN	271	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	341	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	OCTACHLORODIBENZOFURAN	534	pg/g		J	FDPR	
FD-29-08/08/2022	20422007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9720	pg/g	E	J	ACR,FDPR	
FD-29-08/08/2022	20422007	E1613B	PENTACHLORO DIBENZOFURAN	111	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	49.2	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.1	pg/g	K	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.9	pg/g	JK	J	FDPR,VJ	
FD-29-08/08/2022	20422007	E1613B	TOTAL HpCDFs	627	pg/g	JK	J	FDPR,VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.2	pg/g		J	MSH	
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	157	pg/g		J	MSH	
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.936	pg/g	J			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.23	pg/g	BJ			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.918	pg/g	BJ			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.62	pg/g	J			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	J			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.349	pg/g	BJ	U	MBL	
SIB-SC-E04-2-3-08082022	20422008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.506	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.781	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.571	pg/g	J			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.8	pg/g				✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4	pg/g				✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.68	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	Heptachlorodibenzo-P-Dioxin	327	pg/g				✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	HEXACHLORODIBENZOFURAN	23.3	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	33.5	pg/g	J			✓
SIB-SC-E04-2-3-08082022	20422008	E1613B	OCTACHLORODIBENZOFURAN	48.1	pg/g		J	MSH	
SIB-SC-E04-2-3-08082022	20422008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1620	pg/g		J	MSP	
SIB-SC-E04-2-3-08082022	20422008	E1613B	PENTACHLORO DIBENZOFURAN	9.09	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.61	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.58	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.527	pg/g	JK	J	VJ	
SIB-SC-E04-2-3-08082022	20422008	E1613B	TOTAL HpCDFs	58.7	pg/g	J			✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	165	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	933	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.8	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.94	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.12	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32.1	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.6	pg/g	J			✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.9	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.24	pg/g	J			✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.36	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.52	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.25	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29.5	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29.5	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.91	pg/g		DNR	EXC	
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.68	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.995	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	Heptachlorodibenzo-P-Dioxin	1820	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	HEXACHLORODIBENZOFURAN	244	pg/g	JK	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	250	pg/g	JK	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	OCTACHLORODIBENZOFURAN	474	pg/g				✓
SIB-SC-E04-3-4-08082022	20422011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10500	pg/g	E	J	ACR	
SIB-SC-E04-3-4-08082022	20422011	E1613B	PENTACHLORO DIBENZOFURAN	93.1	pg/g	JK	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.4	pg/g	JK	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	57.6	pg/g	K	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.8	pg/g	JK	J	VJ	
SIB-SC-E04-3-4-08082022	20422011	E1613B	TOTAL HpCDFs	611	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	44.3	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	169	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.91	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.43	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.769	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.56	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.64	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.75	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.78	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E04-4-5-08082022	20422012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.73	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.18	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.937	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	Heptachlorodibenzo-P-Dioxin	337	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	HEXACHLORODIBENZOFURAN	56.1	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	38.9	pg/g	J			✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	OCTACHLORODIBENZOFURAN	159	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1920	pg/g				✓
SIB-SC-E04-4-5-08082022	20422012	E1613B	PENTACHLORO DIBENZOFURAN	24.4	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.13	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.8	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.94	pg/g	JK	J	VJ	
SIB-SC-E04-4-5-08082022	20422012	E1613B	TOTAL HpCDFs	181	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	101	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	303	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.15	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.28	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.72	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.2	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.5	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.18	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.15	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.76	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.8	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.18	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.2	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.2	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.47	pg/g		DNR	EXC	
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.81	pg/g	K	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.22	pg/g	K	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	Heptachlorodibenzo-P-Dioxin	679	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	HEXACHLORODIBENZOFURAN	137	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E04-5-6-08082022	20422013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	105	pg/g	J			✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	OCTACHLORODIBENZOFURAN	220	pg/g				✓
SIB-SC-E04-5-6-08082022	20422013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4180	pg/g	E	J	ACR	
SIB-SC-E04-5-6-08082022	20422013	E1613B	PENTACHLORO DIBENZOFURAN	79.8	pg/g	JK	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	21.5	pg/g	JK	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.8	pg/g	JK	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.3	pg/g	JK	J	VJ	
SIB-SC-E04-5-6-08082022	20422013	E1613B	TOTAL HpCDFs	325	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38.7	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	154	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.13	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.81	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.5	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.28	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.793	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.88	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.71	pg/g	BJ			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.654	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.85	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.05	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.28	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.49	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.771	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	Heptachlorodibenzo-P-Dioxin	321	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	HEXACHLORODIBENZOFURAN	49.1	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.5	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	OCTACHLORODIBENZOFURAN	93.1	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1640	pg/g				✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	PENTACHLORO DIBENZOFURAN	27.5	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.22	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.2	pg/g	JK	J	VJ	
SIB-SC-D05-1-2-08092022	20422014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.22	pg/g	J			✓
SIB-SC-D05-1-2-08092022	20422014	E1613B	TOTAL HpCDFs	129	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15.9	pg/g				✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.96	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.754	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.5	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.77	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.459	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.685	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.435	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.47	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.27	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.97	pg/g				✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.18	pg/g				✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	Heptachlorodibenzo-P-Dioxin	11.7	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	HEXACHLORODIBENZOFURAN	19.8	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.41	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	OCTACHLORODIBENZOFURAN	7.69	pg/g	J			✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	42.4	pg/g				✓
SIB-SC-D05-2-3-08092022	20422015	E1613B	PENTACHLORO DIBENZOFURAN	25.5	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.08	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.1	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.62	pg/g	JK	J	VJ	
SIB-SC-D05-2-3-08092022	20422015	E1613B	TOTAL HpCDFs	26.2	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.95	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.905	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.5	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.28	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.724	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.586	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.334	pg/g	BJ	U	MBL	
SIB-SC-D05-3-4-08092022	20422016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.763	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.14	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.07	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.23	pg/g				✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.48	pg/g				✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.978	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	Heptachlorodibenzo-P-Dioxin	13.1	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	HEXACHLORODIBENZOFURAN	18.4	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.39	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	OCTACHLORODIBENZOFURAN	6.39	pg/g	J	U	MBL	
SIB-SC-D05-3-4-08092022	20422016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	47.3	pg/g				✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	PENTACHLORO DIBENZOFURAN	24.6	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.97	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-D05-3-4-08092022	20422016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.51	pg/g	J			✓
SIB-SC-D05-3-4-08092022	20422016	E1613B	TOTAL HpCDFs	23.8	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15.7	pg/g				✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.05	pg/g	J			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.03	pg/g	BJ			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.306	pg/g	BJ	U	MBL	
SIB-SC-D05-4-5-08092022	20422017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.516	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.497	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.654	pg/g				✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.23	pg/g				✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	Heptachlorodibenzo-P-Dioxin	9.32	pg/g	J			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	HEXACHLORODIBENZOFURAN	9.61	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.28	pg/g	J			✓
SIB-SC-D05-4-5-08092022	20422017	E1613B	OCTACHLORODIBENZOFURAN	6.51	pg/g	J	U	MBL	
SIB-SC-D05-4-5-08092022	20422017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	31.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D05-4-5-08092022	20422017	E1613B	PENTACHLORO DIBENZOFURAN	6.31	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.18	pg/g	BJK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.39	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.86	pg/g	JK	J	VJ	
SIB-SC-D05-4-5-08092022	20422017	E1613B	TOTAL HpCDFs	24.3	pg/g				✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.791	pg/g	J			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.84	pg/g	J			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.19	pg/g	BJ	U	MBL	
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.321	pg/g	JK	J	VJ	
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0949	pg/g				✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.47	pg/g				✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	Heptachlorodibenzo-P-Dioxin	7.07	pg/g	JK	J	VJ	
SIB-SC-D05-5-6-08092022	20422018	E1613B	HEXACHLORODIBENZOFURAN	0.696	pg/g	BJK	J	VJ	
SIB-SC-D05-5-6-08092022	20422018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.58	pg/g	JK	J	VJ	
SIB-SC-D05-5-6-08092022	20422018	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	24.9	pg/g				✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	PENTACHLORO DIBENZOFURAN	0.753	pg/g	BJ			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.9	pg/g	BJK	J	VJ	
SIB-SC-D05-5-6-08092022	20422018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.2	pg/g	J			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.599	pg/g	J			✓
SIB-SC-D05-5-6-08092022	20422018	E1613B	TOTAL HpCDFs	1.28	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20423

May 5, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20423	SIB-SC-I04-1-2-08/09/2022	20423001	SE	✓
20423	SIB-SC-I04-2-3-08/09/2022	20423002	SE	✓
20423	SIB-SC-I04-3-4-08/09/2022	20423003	SE	✓
20423	SIB-SC-I04-4-5-08/09/2022	20423004	SE	✓
20423	SIB-SC-I04-5-6-08/09/2022	20423005	SE	✓
20423	SIB-SC-N03-1-2-08/10/2022	20423006	SE	✓
20423	SIB-SC-N03-2-3-08/10/2022	20423007	SE	✓
20423	SIB-SC-N03-3-4-08/10/2022	20423008	SE	✓
20423	SIB-SC-N03-4-5-08/10/2022	20423009	SE	✓
20423	SIB-SC-N03-5-6-08/10/2022	20423010	SE	✓
20423	SIB-SC-F05-1-2-08/10/2022	20423011	SE	✓
20423	SIB-SC-F05-2-3-08/10/2022	20423012	SE	✓
20423	SIB-SC-F05-3-4-08/10/2022	20423013	SE	✓
20423	SIB-SC-F05-4-5-08/10/2022	20423016	SE	✓
20423	SIB-SC-F05-5-6-08/10/2022	20423017	SE	✓
20423	FD-34-08/10/2022	20423018	SE	✓
20423	SIB-SC-B10-1-2-08/11/2022	20423019	SE	✓
20423	SIB-SC-B10-2-3-08/11/2022	20423020	SE	✓
20423	SIB-SC-B10-3-4-08/11/2022	20423023	SE	✓
20423	SIB-SC-B10-4-5-08/11/2022	20423024	SE	✓
20423	SIB-SC-B10-5-6-08/11/2022	20423025	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20423	21 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For prep/analytical batch 51294/51296, results for the method blank or laboratory control samples were not in the EDD for this SDG. These laboratory QC samples were associated with samples from SDG 20421; results were in the EDD under this SDG. No action was taken.

For 14 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 5 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER	BATCH
SIB-SC-I04-2-3-08/09/2022	1,2,3,7,8-PeCDF	U-MBL	51294/51296
SIB-SC-F05-3-4-08/10/2022	1,2,3,4,7,8-HxCDF	U-MBL	51311/51313
SIB-SC-F05-4-5-08/10/2022	1,2,3,4,7,8-HxCDF	U-MBL	51311/51313
SIB-SC-F05-5-6-08/10/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51311/51313
	1,2,3,4,7,8-HxCDF	U-MBL	51311/51313
SIB-SC-B10-1-2-08/11/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51311/51313
	1,2,3,4,7,8-HxCDF	U-MBL	51311/51313
	OCDF	U-MBL	51311/51313
SIB-SC-B10-2-3-08/11/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51311/51313
	OCDF	U-MBL	51311/51313
SIB-SC-B10-4-5-08/11/2022	1,2,3,4,7,8-HxCDF	U-MBL	51311/51313
	OCDF	U-MBL	51311/51313
SIB-SC-B10-5-6-08/11/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51311/51313
	OCDF	U-MBL	51311/51313
	OCDD	U-MBL	51311/51313

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB07-08092022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20187. EB07-08092022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-F05-3-4-08/10/2022 (batch 51313) and SIB-SC-B10-2-3-08/11/2022 (batch 51296). The following qualifiers were assigned to SIB-SC-B10-2-3-08/11/2022:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	324	156	67.2	J-MSH/MSP
OCDD	2020	529	110	J-MSH/MSP
1,2,3,4,6,7,8-HpCDF	247	139	53.9	J-MSH/MSP
OCDF	203	OK	45	J-MSH/MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field replicates were submitted. For SIB-SC-B10-2-3-08112022 and FD-35-08112022, the parent sample was reported in this SDG and the field duplicate sample was reported in SDG 20425. The difference value for OCDD was greater than the control limit; the OCDD result was estimated (J-FDPA).

For SIB-SC-F05-2-3-08/10/2022 and FD-34-08/10/2022, the following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
2,3,7,8-TCDF	DIFFERENCE	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR

ANALYTE	OUTLIER TYPE	QUALIFIER
Total PeCDF	RPD	J-FDPR
Total PeCDD	DIFFERENCE	J-FDPA
Total TCDF	RPD	J-FDPR
Total TCDD	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	142	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	252	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	22.8	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22.4	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.724	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.06	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.53	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	6.66	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.35	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.08	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.23	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.7	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.9	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.1	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.27	pg/g	K	DNR	EXC	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.47	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	Heptachlorodibenzo-P-Dioxin	448	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	HEXACHLORODIBENZOFURAN	143	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43.1	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	OCTACHLORODIBENZOFURAN	419	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2620	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	PENTACHLORO DIBENZOFURAN	76.4	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	25	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.7	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.46	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20423001	E1613B	TOTAL HpCDFs	362	pg/g	K	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	30.2	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	187	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.62	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.62	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.822	pg/g	BJK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.23	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.488	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.35	pg/g	BJ	U	MBL	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.571	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.04	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.726	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.83	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.97	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.811	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	Heptachlorodibenzo-P-Dioxin	349	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	HEXACHLORODIBENZOFURAN	37.6	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	42.4	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	OCTACHLORODIBENZOFURAN	133	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2100	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	PENTACHLORO DIBENZOFURAN	10.9	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.34	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.34	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.31	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20423002	E1613B	TOTAL HpCDFs	139	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	166	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	649	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.65	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.91	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.79	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.38	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.3	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.11	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.86	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.77	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.31	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.92	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.5	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.5	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.29	pg/g		DNR	EXC	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.33	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.04	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	Heptachlorodibenzo-P-Dioxin	1320	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	HEXACHLORODIBENZOFURAN	201	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	223	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	OCTACHLORODIBENZOFURAN	625	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7950	pg/g	E	J	ACR	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	PENTACHLORO DIBENZOFURAN	77.5	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.4	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	45.4	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.1	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20423003	E1613B	TOTAL HpCDFs	677	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	112	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	284	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.66	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.94	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.14	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.709	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.11	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.864	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.04	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.91	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.91	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.974	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.4	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	Heptachlorodibenzo-P-Dioxin	577	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	HEXACHLORODIBENZOFURAN	125	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	80.5	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	OCTACHLORODIBENZOFURAN	542	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3200	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	PENTACHLORO DIBENZOFURAN	51.9	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.5	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.9	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.9	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20423004	E1613B	TOTAL HpCDFs	506	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	86.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	167	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.85	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.91	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.707	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.15	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.26	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.669	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.91	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.19	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.823	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.1	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.07	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.07	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.7	pg/g		DNR	EXC	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.77	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.327	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	Heptachlorodibenzo-P-Dioxin	379	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	HEXACHLORODIBENZOFURAN	95.5	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	57	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	OCTACHLORODIBENZOFURAN	246	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2490	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	PENTACHLORO DIBENZOFURAN	61.4	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.6	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	66.2	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.27	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20423005	E1613B	TOTAL HpCDFs	291	pg/g	J			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	79.7	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.15	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.06	pg/g	BJ			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.883	pg/g	J			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.905	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.23	pg/g	J			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.11	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.284	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.84	pg/g	J			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.844	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.676	pg/g	J			✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.73	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.75	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.3	pg/g		DNR	EXC	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.24	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.414	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	Heptachlorodibenzo-P-Dioxin	176	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	HEXACHLORODIBENZOFURAN	22.1	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.3	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	OCTACHLORODIBENZOFURAN	44.8	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	905	pg/g				✓
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	PENTACHLORO DIBENZOFURAN	9.94	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.75	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.63	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.96	pg/g	JK	J	VJ	
SIB-SC-N03-1-2-08/10/2022	20423006	E1613B	TOTAL HpCDFs	52.3	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	36.5	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	195	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.9	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.72	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.78	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.876	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.42	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.822	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.65	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.74	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.79	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.79	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.24	pg/g		DNR	EXC	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.48	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.701	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	Heptachlorodibenzo-P-Dioxin	384	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	HEXACHLORODIBENZOFURAN	58.3	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	79.2	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	OCTACHLORODIBENZOFURAN	103	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2290	pg/g				✓
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	PENTACHLORO DIBENZOFURAN	24.1	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.6	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.3	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.62	pg/g	JK	J	VJ	
SIB-SC-N03-2-3-08/10/2022	20423007	E1613B	TOTAL HpCDFs	127	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.6	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	140	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.39	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.11	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.14	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.477	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.28	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.603	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.4	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.87	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.87	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.48	pg/g		DNR	EXC	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.63	pg/g	K	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.565	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	Heptachlorodibenzo-P-Dioxin	273	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	HEXACHLORODIBENZOFURAN	36.3	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	82.3	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	OCTACHLORODIBENZOFURAN	61.2	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1440	pg/g				✓
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	PENTACHLORO DIBENZOFURAN	18.2	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.8	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.3	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.39	pg/g	JK	J	VJ	
SIB-SC-N03-3-4-08/10/2022	20423008	E1613B	TOTAL HpCDFs	74.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.27	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	46.8	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.897	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.767	pg/g	BJK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.507	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.809	pg/g	J			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.494	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.414	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.37	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.71	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.525	pg/g	J			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	Heptachlorodibenzo-P-Dioxin	89.4	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	HEXACHLORODIBENZOFURAN	11.2	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	14.6	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	OCTACHLORODIBENZOFURAN	22	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	596	pg/g				✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	PENTACHLORO DIBENZOFURAN	3.94	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.875	pg/g	J			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.58	pg/g	J			✓
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.472	pg/g	JK	J	VJ	
SIB-SC-N03-4-5-08/10/2022	20423009	E1613B	TOTAL HpCDFs	28.3	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.9	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	380	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.64	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.07	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.71	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.89	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.4	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.7	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.48	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.61	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.46	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.47	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.84	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.9	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.9	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.41	pg/g		DNR	EXC	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.6	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.13	pg/g	K	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	Heptachlorodibenzo-P-Dioxin	941	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	HEXACHLORODIBENZOFURAN	122	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	166	pg/g	J			✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	OCTACHLORODIBENZOFURAN	241	pg/g				✓
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5970	pg/g	E	J	ACR	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	PENTACHLORO DIBENZOFURAN	49.5	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.6	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.3	pg/g	JK	J	VJ	
SIB-SC-N03-5-6-08/10/2022	20423010	E1613B	TOTAL HpCDFs	288	pg/g	JK	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	44.1	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	176	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.18	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.36	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.95	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.49	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.668	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.31	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.944	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.12	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.14	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.28	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.28	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.29	pg/g		DNR	EXC	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.28	pg/g	K	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.58	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	Heptachlorodibenzo-P-Dioxin	386	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	HEXACHLORODIBENZOFURAN	60.1	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	58.2	pg/g	J			✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	OCTACHLORODIBENZOFURAN	119	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2340	pg/g				✓
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	PENTACHLORO DIBENZOFURAN	26.7	pg/g	JK	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.4	pg/g	JK	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.7	pg/g	JK	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.07	pg/g	JK	J	VJ	
SIB-SC-F05-1-2-08/10/2022	20423011	E1613B	TOTAL HpCDFs	152	pg/g	JK	J	VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	80.1	pg/g		J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	241	pg/g		J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.8	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.1	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.96	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.57	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.05	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.42	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.73	pg/g	JK	J	VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.74	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.64	pg/g	JK	J	VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.88	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.29	pg/g	J			✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.5	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.5	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.45	pg/g		DNR	EXC	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.32	pg/g		J	FDPA	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.865	pg/g				✓
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	Heptachlorodibenzo-P-Dioxin	545	pg/g		J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	HEXACHLORODIBENZOFURAN	110	pg/g	JK	J	FDPR,VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	84.4	pg/g	JK	J	FDPR,VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	OCTACHLORODIBENZOFURAN	181	pg/g		J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3500	pg/g		J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	PENTACHLORO DIBENZOFURAN	52.1	pg/g	J	J	FDPR	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.2	pg/g	JK	J	FDPR,VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.62	pg/g	JK	J	FDPR,VJ	
SIB-SC-F05-2-3-08/10/2022	20423012	E1613B	TOTAL HpCDFs	250	pg/g	J	J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.54	pg/g		J	MSH,MSP	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	10	pg/g		J	MSH,MSP	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.328	pg/g	BJ	U	MBL	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.825	pg/g	J			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.41	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.167	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.157	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.344	pg/g	J			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.336	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.542	pg/g				✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.732	pg/g				✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	Heptachlorodibenzo-P-Dioxin	26.3	pg/g				✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	HEXACHLORODIBENZOFURAN	8.93	pg/g	J			✓
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.42	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	OCTACHLORODIBENZOFURAN	8.98	pg/g	J	J	MSH,MSP	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	169	pg/g		J	MSH,MSP	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	PENTACHLORO DIBENZOFURAN	5.23	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.24	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.89	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.451	pg/g	JK	J	VJ	
SIB-SC-F05-3-4-08/10/2022	20423013	E1613B	TOTAL HpCDFs	18.6	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.3	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14.8	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.316	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.373	pg/g	BJ	U	MBL	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.245	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.444	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.571	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.472	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.134	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.144	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.3	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.231	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.897	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.907	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.235	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.142	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	Heptachlorodibenzo-P-Dioxin	35.4	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	HEXACHLORODIBENZOFURAN	6.51	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.65	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	OCTACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	223	pg/g				✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	PENTACHLORO DIBENZOFURAN	3.17	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.68	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.27	pg/g	J			✓
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.11	pg/g	JK	J	VJ	
SIB-SC-F05-4-5-08/10/2022	20423016	E1613B	TOTAL HpCDFs	15.8	pg/g	JK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.72	pg/g	BJ	U	MBL	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.66	pg/g	J			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.151	pg/g	BJ	U	MBL	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.125	pg/g	JK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.298	pg/g	JK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.156	pg/g				✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.405	pg/g				✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.161	pg/g	J			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	Heptachlorodibenzo-P-Dioxin	11.8	pg/g	J			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	HEXACHLORODIBENZOFURAN	1.66	pg/g	BJK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.77	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	OCTACHLORODIBENZOFURAN	2.47	pg/g	BJK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	60.4	pg/g				✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	PENTACHLORO DIBENZOFURAN	0.549	pg/g	BJK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.08	pg/g	JK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.535	pg/g	J			✓
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
SIB-SC-F05-5-6-08/10/2022	20423017	E1613B	TOTAL HpCDFs	4.17	pg/g	J			✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	204	pg/g		J	FDPR	
FD-34-08/10/2022	20423018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	529	pg/g		J	FDPR	
FD-34-08/10/2022	20423018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.83	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.12	pg/g	J			✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.7	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.92	pg/g	J			✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.87	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.21	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.52	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.95	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.36	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.1	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.1	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.69	pg/g		DNR	EXC	
FD-34-08/10/2022	20423018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.07	pg/g		J	FDPA	
FD-34-08/10/2022	20423018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.64	pg/g				✓
FD-34-08/10/2022	20423018	E1613B	Heptachlorodibenzo-P-Dioxin	1210	pg/g		J	FDPR	
FD-34-08/10/2022	20423018	E1613B	HEXACHLORODIBENZOFURAN	241	pg/g	JK	J	FDPR,VJ	
FD-34-08/10/2022	20423018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	189	pg/g	J	J	FDPR	
FD-34-08/10/2022	20423018	E1613B	OCTACHLORODIBENZOFURAN	430	pg/g		J	FDPR	
FD-34-08/10/2022	20423018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7530	pg/g	E	J	ACR,FDPR	
FD-34-08/10/2022	20423018	E1613B	PENTACHLORO DIBENZOFURAN	116	pg/g	JK	J	FDPR,VJ	
FD-34-08/10/2022	20423018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	35.8	pg/g	JK	J	FDPA,VJ	
FD-34-08/10/2022	20423018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	63.4	pg/g	JK	J	FDPR,VJ	
FD-34-08/10/2022	20423018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.2	pg/g	JK	J	FDPR,VJ	
FD-34-08/10/2022	20423018	E1613B	TOTAL HpCDFs	627	pg/g	J	J	FDPR	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.571	pg/g	BJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.39	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.078	pg/g	BJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.073	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.159	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0531	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0614	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0531	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.108	pg/g				✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.197	pg/g				✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.138	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	Heptachlorodibenzo-P-Dioxin	13.9	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	HEXACHLORODIBENZOFURAN	1.37	pg/g	BJK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.32	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	OCTACHLORODIBENZOFURAN	0.782	pg/g	BJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	33.8	pg/g				✓
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	PENTACHLORO DIBENZOFURAN	0.728	pg/g	BJK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.539	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.02	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.01	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20423019	E1613B	TOTAL HpCDFs	1.75	pg/g	BJ			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.913	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.59	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0448	pg/g				✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.602	pg/g				✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	Heptachlorodibenzo-P-Dioxin	7.54	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	HEXACHLORODIBENZOFURAN	0.243	pg/g	BJ			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.79	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	OCTACHLORODIBENZOFURAN	1.21	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	31.1	pg/g		J	FDPA	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	PENTACHLORO DIBENZOFURAN	0.405	pg/g	BJK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.514	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.674	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20423020	E1613B	TOTAL HpCDFs	1.75	pg/g	BJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.3	pg/g	BJ			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0635	pg/g				✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.368	pg/g				✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	Heptachlorodibenzo-P-Dioxin	5.63	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	HEXACHLORODIBENZOFURAN	0.398	pg/g	BJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.19	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	OCTACHLORODIBENZOFURAN	3.77	pg/g	BJ			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	31.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	PENTACHLORO DIBENZOFURAN	0.301	pg/g	BJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.219	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.667	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20423023	E1613B	TOTAL HpCDFs	6.08	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.997	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.11	pg/g	BJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0578	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0462	pg/g				✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.212	pg/g				✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.163	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	Heptachlorodibenzo-P-Dioxin	3.28	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	HEXACHLORODIBENZOFURAN	0.297	pg/g	BJK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.983	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	OCTACHLORODIBENZOFURAN	0.267	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10.3	pg/g	B			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.45	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.359	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.61	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20423024	E1613B	TOTAL HpCDFs	0.335	pg/g	BJK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.133	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.716	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0281	pg/g				✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.194	pg/g				✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.176	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	Heptachlorodibenzo-P-Dioxin	1.87	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.684	pg/g	JK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	OCTACHLORODIBENZOFURAN	0.24	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6.5	pg/g	BJ	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	PENTACHLORO DIBENZOFURAN	0.0496	pg/g	BJK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.329	pg/g	JK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.323	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.394	pg/g	JK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20423025	E1613B	TOTAL HpCDFs	0.133	pg/g	BJK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20425

May 3, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20425	FD-35-08/11/2022	20425001	SE	✓
20425	SIB-SC-F04-1-2-08/11/2022	20425002	SE	✓
20425	SIB-SC-F04-2-3-08/11/2022	20425003	SE	✓
20425	SIB-SC-F04-3-4-08/11/2022	20425004	SE	✓
20425	SIB-SC-F04-4-5-08/11/2022	20425005	SE	✓
20425	SIB-SC-F04-5-6-08/11/2022	20425006	SE	✓
20425	SIB-SC-F06-1-2-08/16/2022	20425007	SE	✓
20425	SIB-SC-F06-2-3-08/16/2022	20425008	SE	✓
20425	SIB-SC-F06-3-4-08/16/2022	20425009	SE	✓
20425	SIB-SC-F06-4-5-08/16/2022	20425012	SE	✓
20425	SIB-SC-F06-5-6-08/16/2022	20425013	SE	✓
20425	FD-38-08/16/2022	20425014	SE	✓
20425	SIB-SC-G04-1-2-08/16/2022	20425015	SE	✓
20425	SIB-SC-G04-2-3-08/16/2022	20425016	SE	✓
20425	SIB-SC-G04-3-4-08/16/2022	20425017	SE	✓
20425	SIB-SC-G04-4-5-08/16/2022	20425018	SE	✓
20425	SIB-SC-G04-5-6-08/16/2022	20425021	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20425	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 15 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blank, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-35-08/11/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	U-MBL
	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	U-MBL
	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	U-MBL
	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	OCTACHLORODIBENZOFURAN	U-MBL
	OCTACHLORODIBENZO-P-DIOXIN	U-MBL
SIB-SC-F06-4-5-08/16/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	U-MBL
SIB-SC-F06-5-6-08/16/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	U-MBL
SIB-SC-G04-3-4-08/16/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	U-MBL
SIB-SC-G04-4-5-08/16/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	2,3,4,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-G04-5-6-08/16/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	2,3,4,7,8-PENTACHLORODIBENZOFURAN	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB07-08092022 and EB08-08212022 are associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDGs 20187 and 20283. EB07-08092022 was free from all contamination. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Samples SIB-SC-F06-3-4-08/16/2022 and SIB-SC-G04-4-5-08/16/2022. The following qualifiers were assigned to SIB-SC-G04-4-5-08/16/2022:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	OK	221	38.1	J-MSH/MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Three sets of field duplicates were submitted.

For SIB-SC-B10-2-3-08112022 and FD-35-08112022, the field duplicate sample was reported in this SDG and the parent sample was reported in SDG 20423. The difference value for OCDD was greater than the control limit; the OCDD result was estimated (UJ-FDPA).

For SIB-SC-G04-4-5-08/16/2022 & FD-39-08/16/2022, the parent sample was reported in this SDG and the field duplicate sample was reported in SDG 20426. Field precision was acceptable.

For SIB-SC-F06-2-3-08/16/2022 & FD-38-08/16/2022, the following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	RPD	J-FDPR
Total TCDF	DIFFERENCE	J-FDPA
Total TCDD	RPD	J-FDPR
Total HpCDF	DIFFERENCE	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due

to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-35-08/11/2022	20425001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.252	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20425001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.819	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20425001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0679	pg/g	BJK	UJ	MBL,VJ	
FD-35-08/11/2022	20425001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0619	pg/g	BJK	UJ	MBL,VJ	
FD-35-08/11/2022	20425001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.0879	pg/g	JK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0779	pg/g	BJK	UJ	MBL,VJ	
FD-35-08/11/2022	20425001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.0779	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20425001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.042	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20425001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.138	pg/g				✓
FD-35-08/11/2022	20425001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.225	pg/g				✓
FD-35-08/11/2022	20425001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.178	pg/g	J			✓
FD-35-08/11/2022	20425001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-35-08/11/2022	20425001	E1613B	Heptachlorodibenzo-P-Dioxin	2.26	pg/g	BJ			✓
FD-35-08/11/2022	20425001	E1613B	HEXACHLORODIBENZOFURAN	0.47	pg/g	BJK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.703	pg/g	BJK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	OCTACHLORODIBENZOFURAN	0.394	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20425001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9.78	pg/g	BJ	UJ	MBL,FDPA	
FD-35-08/11/2022	20425001	E1613B	PENTACHLORO DIBENZOFURAN	0.266	pg/g	BJK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.0779	pg/g	BJ			✓
FD-35-08/11/2022	20425001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.494	pg/g	JK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.216	pg/g	BJK	J	VJ	
FD-35-08/11/2022	20425001	E1613B	TOTAL HpCDFs	0.689	pg/g	BJ			✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	198	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1060	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	18.7	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.6	pg/g	K	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	47.6	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.42	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19.7	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.19	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.79	pg/g	K	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.58	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	37.4	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	37.4	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	11.3	pg/g		DNR	EXC	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.53	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.22	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	Heptachlorodibenzo-P-Dioxin	2060	pg/g	E	J	ACR	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	HEXACHLORODIBENZOFURAN	296	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	345	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	OCTACHLORODIBENZOFURAN	595	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10000	pg/g	E	J	ACR	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	PENTACHLORO DIBENZOFURAN	141	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	56.4	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	69.8	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20425002	E1613B	TOTAL HpCDFs	723	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	115	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	649	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.97	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.42	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.6	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.28	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.9	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.45	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.1	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.46	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.26	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.32	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.14	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.9	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.9	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.61	pg/g		DNR	EXC	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.94	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.891	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	Heptachlorodibenzo-P-Dioxin	1260	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	HEXACHLORODIBENZOFURAN	168	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	206	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	OCTACHLORODIBENZOFURAN	343	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6480	pg/g	E	J	ACR	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	PENTACHLORO DIBENZOFURAN	90.3	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31.1	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	42.8	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.5	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20425003	E1613B	TOTAL HpCDFs	401	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	40.1	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	209	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.42	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.05	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.13	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.19	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.54	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.781	pg/g	BJ			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.39	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.904	pg/g	BJ			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.805	pg/g	BJK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.99	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.99	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.03	pg/g		DNR	EXC	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.31	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.356	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	Heptachlorodibenzo-P-Dioxin	408	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	HEXACHLORODIBENZOFURAN	55.3	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	55.2	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	OCTACHLORODIBENZOFURAN	116	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2250	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	PENTACHLORO DIBENZOFURAN	28.9	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.28	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.87	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20425004	E1613B	TOTAL HpCDFs	143	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	284	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	451	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.79	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.01	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	26.4	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.19	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.89	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.86	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.37	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.6	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	24.6	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.63	pg/g		DNR	EXC	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.65	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.975	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	Heptachlorodibenzo-P-Dioxin	1070	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	HEXACHLORODIBENZOFURAN	315	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	164	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	OCTACHLORODIBENZOFURAN	440	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6780	pg/g	E	J	ACR	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	PENTACHLORO DIBENZOFURAN	205	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	35.2	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	68.5	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.3	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20425005	E1613B	TOTAL HpCDFs	740	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	91.7	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	152	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.72	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.8	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.71	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.65	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.969	pg/g	BJ			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.82	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.929	pg/g	BJ			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.724	pg/g	BJ			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.85	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.28	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.43	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.883	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	Heptachlorodibenzo-P-Dioxin	354	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	HEXACHLORODIBENZOFURAN	93.9	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50.7	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	OCTACHLORODIBENZOFURAN	128	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2130	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	PENTACHLORO DIBENZOFURAN	62.1	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.5	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.8	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.56	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20425006	E1613B	TOTAL HpCDFs	228	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	185	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	667	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.2	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25.5	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.15	pg/g	J			✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.43	pg/g	J			✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.34	pg/g	K	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.99	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.82	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.9	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.9	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.56	pg/g		DNR	EXC	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.96	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.15	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	Heptachlorodibenzo-P-Dioxin	1380	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	HEXACHLORODIBENZOFURAN	250	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	207	pg/g	J			✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	OCTACHLORODIBENZOFURAN	555	pg/g				✓
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7830	pg/g	E	J	ACR	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	PENTACHLORO DIBENZOFURAN	135	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.5	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	76.9	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.6	pg/g	JK	J	VJ	
SIB-SC-F06-1-2-08/16/2022	20425007	E1613B	TOTAL HpCDFs	650	pg/g	JK	J	VJ	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	127	pg/g		J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	376	pg/g		J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.47	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.4	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.19	pg/g	J			✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.34	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.4	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.15	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.89	pg/g	J			✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.22	pg/g	J			✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.11	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.27	pg/g	J			✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.5	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.5	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g		DNR	EXC	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.68	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	Heptachlorodibenzo-P-Dioxin	848	pg/g				✓
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	HEXACHLORODIBENZOFURAN	162	pg/g	J	J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	135	pg/g	J	J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	OCTACHLORODIBENZOFURAN	289	pg/g		J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4980	pg/g	E	J	ACR,FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	PENTACHLORO DIBENZOFURAN	95.1	pg/g	JK	J	FDPR,VJ	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	26.4	pg/g	J	J	FDPR	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	34.1	pg/g	JK	J	FDPA,VJ	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.7	pg/g	JK	J	FDPR,VJ	
SIB-SC-F06-2-3-08/16/2022	20425008	E1613B	TOTAL HpCDFs	395	pg/g	JK	J	FDPA,VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	212	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	406	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.88	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.78	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.82	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.5	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.6	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.54	pg/g	J			✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.84	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.34	pg/g	J			✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.93	pg/g	J			✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.66	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.69	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.7	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.7	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.68	pg/g		DNR	EXC	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.49	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.741	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	Heptachlorodibenzo-P-Dioxin	1010	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	HEXACHLORODIBENZOFURAN	248	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	137	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	OCTACHLORODIBENZOFURAN	367	pg/g				✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6310	pg/g	E	J	ACR	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	PENTACHLORO DIBENZOFURAN	160	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	28.6	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	54.6	pg/g	JK	J	VJ	
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14	pg/g	J			✓
SIB-SC-F06-3-4-08/16/2022	20425009	E1613B	TOTAL HpCDFs	565	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.3	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	82.6	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.76	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.05	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.649	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.5	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.32	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.579	pg/g	BJ			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.555	pg/g	BJ	U	MBL	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.581	pg/g	BJ	U	MBL	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.44	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.1	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.23	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.514	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	Heptachlorodibenzo-P-Dioxin	200	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	HEXACHLORODIBENZOFURAN	49.2	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31	pg/g	J			✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	OCTACHLORODIBENZOFURAN	70.3	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1260	pg/g				✓
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	PENTACHLORO DIBENZOFURAN	30.7	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.51	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.5	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.93	pg/g	JK	J	VJ	
SIB-SC-F06-4-5-08/16/2022	20425012	E1613B	TOTAL HpCDFs	115	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	24.5	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.575	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.653	pg/g	BJ	U	MBL	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.193	pg/g	J			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.03	pg/g	BJ			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.997	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.167	pg/g	BJ	U	MBL	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.565	pg/g	J			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.265	pg/g	BJ	U	MBL	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.185	pg/g	BJ	U	MBL	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.527	pg/g	BJ			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.482	pg/g	BJ			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.27	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.34	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.344	pg/g	J			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	Heptachlorodibenzo-P-Dioxin	59.2	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	HEXACHLORODIBENZOFURAN	14	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	OCTACHLORODIBENZOFURAN	16.6	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	367	pg/g				✓
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	PENTACHLORO DIBENZOFURAN	9.02	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.29	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.96	pg/g	JK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.18	pg/g	BJK	J	VJ	
SIB-SC-F06-5-6-08/16/2022	20425013	E1613B	TOTAL HpCDFs	31.5	pg/g	JK	J	VJ	
FD-38-08/16/2022	20425014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	55	pg/g		J	FDPR	
FD-38-08/16/2022	20425014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	171	pg/g		J	FDPR	
FD-38-08/16/2022	20425014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.3	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.84	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.28	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.06	pg/g	BJ			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.75	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.01	pg/g	BJK	J	VJ	
FD-38-08/16/2022	20425014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.12	pg/g	BJ			✓
FD-38-08/16/2022	20425014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.48	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.9	pg/g	J			✓
FD-38-08/16/2022	20425014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.78	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.78	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	pg/g		DNR	EXC	
FD-38-08/16/2022	20425014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.692	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	Heptachlorodibenzo-P-Dioxin	386	pg/g				✓
FD-38-08/16/2022	20425014	E1613B	HEXACHLORODIBENZOFURAN	74.4	pg/g	JK	J	FDPR,VJ	
FD-38-08/16/2022	20425014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	58.1	pg/g	JK	J	FDPR,VJ	
FD-38-08/16/2022	20425014	E1613B	OCTACHLORODIBENZOFURAN	134	pg/g		J	FDPR	
FD-38-08/16/2022	20425014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2260	pg/g		J	FDPR	
FD-38-08/16/2022	20425014	E1613B	PENTACHLORO DIBENZOFURAN	40.3	pg/g	JK	J	FDPR,VJ	
FD-38-08/16/2022	20425014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12	pg/g	JK	J	FDPR,VJ	
FD-38-08/16/2022	20425014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.6	pg/g	JK	J	FDPA,VJ	
FD-38-08/16/2022	20425014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.57	pg/g	JK	J	FDPR,VJ	
FD-38-08/16/2022	20425014	E1613B	TOTAL HpCDFs	182	pg/g	JK	J	FDPA,VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	82.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	249	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.77	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.18	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.69	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.41	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.37	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.08	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.37	pg/g	BJ			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.93	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.11	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.1	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.1	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.895	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.791	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	Heptachlorodibenzo-P-Dioxin	563	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	HEXACHLORODIBENZOFURAN	110	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	89.4	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	OCTACHLORODIBENZOFURAN	184	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3240	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	PENTACHLORO DIBENZOFURAN	63.1	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.2	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.1	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.04	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20425015	E1613B	TOTAL HpCDFs	256	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	72.7	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	108	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.37	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.71	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.852	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.57	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.69	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.838	pg/g	BJ			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.8	pg/g	BJ			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.728	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.51	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.92	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.13	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.69	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	Heptachlorodibenzo-P-Dioxin	283	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	HEXACHLORODIBENZOFURAN	80.4	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41.6	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	OCTACHLORODIBENZOFURAN	98.7	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1760	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	PENTACHLORO DIBENZOFURAN	53.7	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.78	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17.8	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.79	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20425016	E1613B	TOTAL HpCDFs	178	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.1	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	33.1	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.78	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.838	pg/g	BJ	U	MBL	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.384	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.934	pg/g	BJ			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.33	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.77	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.324	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.316	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.59	pg/g	BJ			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.546	pg/g	BJ			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.62	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.84	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.408	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	Heptachlorodibenzo-P-Dioxin	74.7	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	HEXACHLORODIBENZOFURAN	14.5	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	11.9	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	OCTACHLORODIBENZOFURAN	25.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	447	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	PENTACHLORO DIBENZOFURAN	9.24	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.55	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.22	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20425017	E1613B	TOTAL HpCDFs	36.3	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.69	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	29.2	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.729	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.881	pg/g	BJ	U	MBL	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.381	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.781	pg/g	BJ			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.22	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.654	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.321	pg/g	BJ	U	MBL	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.596	pg/g	BJ			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.41	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.09	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.51	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	Heptachlorodibenzo-P-Dioxin	64.8	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	HEXACHLORODIBENZOFURAN	11.3	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.95	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	OCTACHLORODIBENZOFURAN	20.9	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	384	pg/g		J	MSH,MSP	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	PENTACHLORO DIBENZOFURAN	5.76	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.06	pg/g	BJ			✓
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.74	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.498	pg/g	BJK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20425018	E1613B	TOTAL HpCDFs	28.3	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.74	pg/g	BJ			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	17.8	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.318	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.493	pg/g	BJK	UJ	MBL,VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.202	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.312	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.609	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.324	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.226	pg/g	BJ	U	MBL	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.326	pg/g	BJ	U	MBL	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.228	pg/g	BJ	U	MBL	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.62	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.858	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.298	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	Heptachlorodibenzo-P-Dioxin	39.8	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	HEXACHLORODIBENZOFURAN	5.02	pg/g	BJK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.03	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	OCTACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	224	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	PENTACHLORO DIBENZOFURAN	2.78	pg/g	BJK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.01	pg/g	BJ			✓
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.537	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.362	pg/g	BJK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20425021	E1613B	TOTAL HpCDFs	12.2	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20426

May 10, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20426	FD-39-08/16/2022	20426001	SE	✓
20426	SIB-SC-H04-1-2-08/16/2022	20426002	SE	✓
20426	SIB-SC-H04-2-3-08/16/2022	20426003	SE	✓
20426	SIB-SC-H04-3-4-08/16/2022	20426004	SE	✓
20426	SIB-SC-H04-4-5-08/16/2022	20426005	SE	✓
20426	SIB-SC-H04-5-6-08/16/2022	20426006	SE	✓
20426	SIB-SC-B08-1-2-08/16/2022	20426007	SE	✓
20426	SIB-SC-B08-2-3-08/16/2022	20426008	SE	✓
20426	SIB-SC-B08-3-4-08/16/2022	20426009	SE	✓
20426	SIB-SC-B08-4-5-08/16/2022	20426010	SE	✓
20426	SIB-SC-B08-5-6-08/16/2022	20426011	SE	✓
20426	FD-37-08/16/2022	20426012	SE	✓
20426	SIB-SC-D06-1-2-08/16/2022	20426013	SE	✓
20426	SIB-SC-D06-2-3-08/16/2022	20426014	SE	✓
20426	SIB-SC-D06-3-4-08/16/2022	20426015	SE	✓
20426	SIB-SC-D06-4-5-08/16/2022	20426016	SE	✓
20426	SIB-SC-D06-5-6-08/16/2022	20426017	SE	✓
20426	SIB-SC-E03-1-2-08/17/2022	20426018	SE	✓
20426	SIB-SC-E03-1-2-08/17/2022	20426018	SE	✓
20426	SIB-SC-E03-2-3-08/17/2022	20426019	SE	✓
20426	SIB-SC-E03-3-4-08/17/2022	20426020	SE	✓
20426	SIB-SC-E03-4-5-08/17/2022	20426023	SE	✓
20426	SIB-SC-E03-5-6-08/17/2022	20426024	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20426	22 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 13 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 5 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported

in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are “estimated maximum possible concentrations” or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only 1,2,3,4,6,7,8-HpCDF required qualification in one or more samples. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-H04-1-2-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-H04-3-4-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-H04-4-5-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B08-4-5-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B08-5-6-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
FD-37-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-D06-4-5-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-D06-5-6-08/16/2022	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB08-08212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-E03-3-4-08/16/2022 The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	-44.3	-77.3	OK	J-MSLX

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Three sets of field duplicates were submitted.

For SIB-SC-G04-4-5-08/16/2022 & FD-39-08/16/2022, the field duplicate sample was reported in this SDG and the parent sample was reported in SDG 20425. Field precision was acceptable.

For SIB-SC-B08-4-5-08/16/2022 & FD-37-08/16/2022, the following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
OCDD	DIFFERENCE	J-FDPA

For SIB-SC-E03-2-3-08/17/2022 & FD-41-08/17/2022, the parent sample was reported in this SDG and the field duplicate sample was reported in SDG 20427. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
Total HXCDF	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy outliers and field duplicate precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-39-08/16/2022	20426001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.34	pg/g	J			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.2	pg/g				✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.328	pg/g	JK	J	VJ	
FD-39-08/16/2022	20426001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.653	pg/g	J			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.512	pg/g	J			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.353	pg/g				✓
FD-39-08/16/2022	20426001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.86	pg/g				✓
FD-39-08/16/2022	20426001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	Heptachlorodibenzo-P-Dioxin	29	pg/g				✓
FD-39-08/16/2022	20426001	E1613B	HEXACHLORODIBENZOFURAN	3.74	pg/g	JK	J	VJ	
FD-39-08/16/2022	20426001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.38	pg/g	JK	J	VJ	
FD-39-08/16/2022	20426001	E1613B	OCTACHLORODIBENZOFURAN	5.55	pg/g	J			✓
FD-39-08/16/2022	20426001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	155	pg/g				✓
FD-39-08/16/2022	20426001	E1613B	PENTACHLORO DIBENZOFURAN	1.75	pg/g	J			✓
FD-39-08/16/2022	20426001	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-39-08/16/2022	20426001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.742	pg/g	JK	J	VJ	
FD-39-08/16/2022	20426001	E1613B	TOTAL HpCDFs	10.2	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.16	pg/g	BJ	U	MBL	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.06	pg/g				✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.217	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.111	pg/g				✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.526	pg/g				✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	Heptachlorodibenzo-P-Dioxin	14.5	pg/g				✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	HEXACHLORODIBENZOFURAN	1.4	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.68	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	OCTACHLORODIBENZOFURAN	2.12	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	56.1	pg/g				✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	PENTACHLORO DIBENZOFURAN	0.48	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.596	pg/g	JK	J	VJ	
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.762	pg/g	J			✓
SIB-SC-H04-1-2-08/16/2022	20426002	E1613B	TOTAL HpCDFs	3.92	pg/g	JK	J	VJ	
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.46	pg/g				✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.331	pg/g	JK	J	VJ	
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.105	pg/g				✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.502	pg/g				✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	Heptachlorodibenzo-P-Dioxin	12	pg/g				✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	HEXACHLORODIBENZOFURAN	0.633	pg/g	J			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.01	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	OCTACHLORODIBENZOFURAN	1.11	pg/g	J			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	57.1	pg/g				✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	PENTACHLORO DIBENZOFURAN	0.395	pg/g	JK	J	VJ	
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.918	pg/g	J			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.872	pg/g	J			✓
SIB-SC-H04-2-3-08/16/2022	20426003	E1613B	TOTAL HpCDFs	1.82	pg/g	BJ			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.358	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.84	pg/g	J			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0416	pg/g				✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.47	pg/g				✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	Heptachlorodibenzo-P-Dioxin	7.04	pg/g	J			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.83	pg/g	JK	J	VJ	
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	32	pg/g				✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.605	pg/g	JK	J	VJ	
SIB-SC-H04-3-4-08/16/2022	20426004	E1613B	TOTAL HpCDFs	0.358	pg/g	BJK	J	VJ	
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.323	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.32	pg/g	J			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0317	pg/g				✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.442	pg/g				✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	Heptachlorodibenzo-P-Dioxin	5.47	pg/g	J			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.54	pg/g	J			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	17.5	pg/g				✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.485	pg/g	JK	J	VJ	
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.569	pg/g	JK	J	VJ	
SIB-SC-H04-4-5-08/16/2022	20426005	E1613B	TOTAL HpCDFs	0.323	pg/g	BJK	J	VJ	
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.79	pg/g	JK	J	VJ	
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.158	pg/g				✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.475	pg/g				✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	Heptachlorodibenzo-P-Dioxin	19.8	pg/g	JK	J	VJ	
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	HEXACHLORODIBENZOFURAN	0.136	pg/g	J			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.12	pg/g	JK	J	VJ	
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	467	pg/g				✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.205	pg/g	J			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.437	pg/g	J			✓
SIB-SC-H04-5-6-08/16/2022	20426006	E1613B	TOTAL HpCDFs	0.213	pg/g	BJK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	28.5	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	53.9	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.917	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.531	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.07	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.94	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.01	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.4	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.53	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.42	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.45	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.86	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	Heptachlorodibenzo-P-Dioxin	154	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	HEXACHLORODIBENZOFURAN	38.3	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	23.9	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	OCTACHLORODIBENZOFURAN	39.4	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	884	pg/g				✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	PENTACHLORO DIBENZOFURAN	26.9	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.35	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.4	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	TETRACHLORODIBENSO-P-DIOXIN	3.01	pg/g	JK	J	VJ	
SIB-SC-B08-1-2-08/16/2022	20426007	E1613B	TOTAL HpCDFs	80.3	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.16	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.16	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.222	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.432	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.307	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.246	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.256	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.646	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	Heptachlorodibenzo-P-Dioxin	20.4	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	HEXACHLORODIBENZOFURAN	4.38	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.21	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	OCTACHLORODIBENZOFURAN	4.54	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	103	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	PENTACHLORO DIBENZOFURAN	2.41	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.305	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.442	pg/g	J			✓
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.04	pg/g	JK	J	VJ	
SIB-SC-B08-2-3-08/16/2022	20426008	E1613B	TOTAL HpCDFs	8.45	pg/g	J			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.74	pg/g	BJ			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	8.11	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.142	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.603	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	Heptachlorodibenzo-P-Dioxin	21.3	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	HEXACHLORODIBENZOFURAN	3.03	pg/g	JK	J	VJ	
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.9	pg/g	JK	J	VJ	
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	OCTACHLORODIBENZOFURAN	0.768	pg/g	J			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	110	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	PENTACHLORO DIBENZOFURAN	1.97	pg/g	JK	J	VJ	
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.335	pg/g	J			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.559	pg/g	JK	J	VJ	
SIB-SC-B08-3-4-08/16/2022	20426009	E1613B	TOTAL HpCDFs	5.48	pg/g	J			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.194	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.806	pg/g	JK	J	VJ	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0124	pg/g				✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.305	pg/g				✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	Heptachlorodibenzo-P-Dioxin	2.25	pg/g	JK	J	VJ	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.773	pg/g	JK	J	VJ	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.08	pg/g	J	J	FDPA	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.317	pg/g	JK	J	VJ	
SIB-SC-B08-4-5-08/16/2022	20426010	E1613B	TOTAL HpCDFs	0.194	pg/g	BJK	J	VJ	
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.362	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.952	pg/g	J			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.116	pg/g	J			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0275	pg/g				✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.375	pg/g				✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	Heptachlorodibenzo-P-Dioxin	2.89	pg/g	J			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	HEXACHLORODIBENZOFURAN	0.116	pg/g	J			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.33	pg/g	JK	J	VJ	
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9.16	pg/g	J			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	PENTACHLORO DIBENZOFURAN	0.102	pg/g	JK	J	VJ	
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.364	pg/g	JK	J	VJ	
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.438	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B08-5-6-08/16/2022	20426011	E1613B	TOTAL HpCDFs	0.362	pg/g	BJK	J	VJ	
FD-37-08/16/2022	20426012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.754	pg/g	BJ	U	MBL	
FD-37-08/16/2022	20426012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.59	pg/g	J			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0542	pg/g				✓
FD-37-08/16/2022	20426012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.454	pg/g				✓
FD-37-08/16/2022	20426012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	Heptachlorodibenzo-P-Dioxin	8.7	pg/g	J			✓
FD-37-08/16/2022	20426012	E1613B	HEXACHLORODIBENZOFURAN	0.598	pg/g	JK	J	VJ	
FD-37-08/16/2022	20426012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.98	pg/g	JK	J	VJ	
FD-37-08/16/2022	20426012	E1613B	OCTACHLORODIBENZOFURAN	1.17	pg/g	J			✓
FD-37-08/16/2022	20426012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	34.6	pg/g		J	FDPA	
FD-37-08/16/2022	20426012	E1613B	PENTACHLORO DIBENZOFURAN	0.556	pg/g	J			✓
FD-37-08/16/2022	20426012	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.234	pg/g	JK	J	VJ	
FD-37-08/16/2022	20426012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-37-08/16/2022	20426012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.534	pg/g	JK	J	VJ	
FD-37-08/16/2022	20426012	E1613B	TOTAL HpCDFs	1.81	pg/g	BJ			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.9	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	29.8	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.686	pg/g	J			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.717	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.981	pg/g	J			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.14	pg/g	J			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.619	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.272	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.756	pg/g	J			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.582	pg/g	J			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.45	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.7	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	Heptachlorodibenzo-P-Dioxin	72.7	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	HEXACHLORODIBENZOFURAN	17.3	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	OCTACHLORODIBENZOFURAN	24.5	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	403	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	PENTACHLORO DIBENZOFURAN	8.66	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.22	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.57	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.829	pg/g	JK	J	VJ	
SIB-SC-D06-1-2-08/16/2022	20426013	E1613B	TOTAL HpCDFs	42	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	11.8	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.19	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.2	pg/g	JK	J	VJ	
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.723	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.436	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.282	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.473	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.69	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.73	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.99	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	Heptachlorodibenzo-P-Dioxin	25.3	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	HEXACHLORODIBENZOFURAN	19.6	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.8	pg/g	J			✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	OCTACHLORODIBENZOFURAN	17.6	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	124	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	PENTACHLORO DIBENZOFURAN	21.7	pg/g	JK	J	VJ	
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.62	pg/g	JK	J	VJ	
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.1	pg/g	JK	J	VJ	
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.819	pg/g	JK	J	VJ	
SIB-SC-D06-2-3-08/16/2022	20426014	E1613B	TOTAL HpCDFs	30.2	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.79	pg/g	BJ			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.37	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.273	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.255	pg/g	J			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.229	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.207	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.257	pg/g	J			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.206	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.658	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	Heptachlorodibenzo-P-Dioxin	6.51	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	HEXACHLORODIBENZOFURAN	2.68	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.86	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	OCTACHLORODIBENZOFURAN	1.31	pg/g	J			✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	23	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	PENTACHLORO DIBENZOFURAN	3.14	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.741	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.6	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.699	pg/g	JK	J	VJ	
SIB-SC-D06-3-4-08/16/2022	20426015	E1613B	TOTAL HpCDFs	3.39	pg/g	J			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.396	pg/g	BJ	U	MBL	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.951	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.105	pg/g	JK	J	VJ	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0201	pg/g				✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.321	pg/g				✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	Heptachlorodibenzo-P-Dioxin	3.08	pg/g	JK	J	VJ	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	HEXACHLORODIBENZOFURAN	0.183	pg/g	J			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	J			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11.5	pg/g				✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	PENTACHLORO DIBENZOFURAN	0.372	pg/g	JK	J	VJ	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.36	pg/g	JK	J	VJ	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.621	pg/g	JK	J	VJ	
SIB-SC-D06-4-5-08/16/2022	20426016	E1613B	TOTAL HpCDFs	0.396	pg/g	BJ			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.235	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.68	pg/g	J			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.15	pg/g	JK	J	VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0387	pg/g				✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.456	pg/g				✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	Heptachlorodibenzo-P-Dioxin	4.74	pg/g	J			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	HEXACHLORODIBENZOFURAN	0.15	pg/g	JK	J	VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.64	pg/g	JK	J	VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15.2	pg/g				✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.407	pg/g	JK	J	VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.01	pg/g	JK	J	VJ	
SIB-SC-D06-5-6-08/16/2022	20426017	E1613B	TOTAL HpCDFs	0.235	pg/g	BJK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	204	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	234	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.26	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.09	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.66	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.81	pg/g	J			✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.27	pg/g	J			✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.72	pg/g	J			✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.78	pg/g	J			✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.86	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.1	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.1	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.2	pg/g	K	DNR	EXC	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.42	pg/g	K	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.993	pg/g	K	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	Heptachlorodibenzo-P-Dioxin	571	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	HEXACHLORODIBENZOFURAN	226	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	92.7	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	OCTACHLORODIBENZOFURAN	333	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3600	pg/g				✓
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	PENTACHLORO DIBENZOFURAN	155	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31.5	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	79.5	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	24.9	pg/g	JK	J	VJ	
SIB-SC-E03-1-2-08/17/2022	20426018	E1613B	TOTAL HpCDFs	524	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	33.7	pg/g		J	FDPR	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	15.7	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.593	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.689	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.03	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.822	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.357	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.331	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.23	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.17	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.12	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.66	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.9	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	Heptachlorodibenzo-P-Dioxin	40	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	HEXACHLORODIBENZOFURAN	28.3	pg/g	JK	J	FDPR,VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.33	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	OCTACHLORODIBENZOFURAN	17.7	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	248	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	PENTACHLORO DIBENZOFURAN	14.8	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.21	pg/g	JK	J	VJ	
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.65	pg/g				✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.689	pg/g	J			✓
SIB-SC-E03-2-3-08/17/2022	20426019	E1613B	TOTAL HpCDFs	62.7	pg/g	J	J	FDPR	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	61	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	30.8	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.768	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.1	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.31	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.42	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.7	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.451	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.33	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.59	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.02	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.69	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.98	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	Heptachlorodibenzo-P-Dioxin	88.6	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	HEXACHLORODIBENZOFURAN	43.5	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.6	pg/g	J			✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	OCTACHLORODIBENZOFURAN	36.3	pg/g				✓
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	645	pg/g		J	MSLX	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	PENTACHLORO DIBENZOFURAN	20	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.21	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.66	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.48	pg/g	JK	J	VJ	
SIB-SC-E03-3-4-08/17/2022	20426020	E1613B	TOTAL HpCDFs	111	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	89.7	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	37.9	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.12	pg/g	BJK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.2	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.486	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.718	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.462	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.31	pg/g	J			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.98	pg/g	J			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.964	pg/g	J			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.2	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.42	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	Heptachlorodibenzo-P-Dioxin	110	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	HEXACHLORODIBENZOFURAN	58.3	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	18.9	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	OCTACHLORODIBENZOFURAN	43.6	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	616	pg/g				✓
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	PENTACHLORO DIBENZOFURAN	25.5	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.07	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.1	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.998	pg/g	JK	J	VJ	
SIB-SC-E03-4-5-08/17/2022	20426023	E1613B	TOTAL HpCDFs	153	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	107	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	53.3	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.54	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.9	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.72	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.614	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.28	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.832	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.01	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.64	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.99	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.3	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.49	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.536	pg/g	J			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	Heptachlorodibenzo-P-Dioxin	157	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	HEXACHLORODIBENZOFURAN	68.5	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	OCTACHLORODIBENZOFURAN	50.5	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1050	pg/g				✓
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	PENTACHLORO DIBENZOFURAN	36.3	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.85	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.1	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.71	pg/g	JK	J	VJ	
SIB-SC-E03-5-6-08/17/2022	20426024	E1613B	TOTAL HpCDFs	179	pg/g	J			✓
SIB-SC-B08-1-2-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.9	pg/g				✓
SIB-SC-B08-2-3-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.65	pg/g				✓
SIB-SC-B08-4-5-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.3	pg/g				✓
SIB-SC-B08-5-6-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.37	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.66	pg/g				✓
SIB-SC-D06-4-5-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.32	pg/g				✓
SIB-SC-B08-3-4-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.6	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.7	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2	pg/g				✓
SIB-SC-D06-5-6-08/16/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.46	pg/g				✓
SIB-SC-D06-3-4-08/16/2022	Calc	CALC	SUM PCB CONGENERS	2230	pg/g				✓
SIB-SC-D06-4-5-08/16/2022	Calc	CALC	SUM PCB CONGENERS	481	pg/g				✓
SIB-SC-D06-1-2-08/16/2022	Calc	CALC	SUM PCB CONGENERS	18500	pg/g				✓
SIB-SC-D06-2-3-08/16/2022	Calc	CALC	SUM PCB CONGENERS	8090	pg/g				✓
SIB-SC-D06-5-6-08/16/2022	Calc	CALC	SUM PCB CONGENERS	543	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20427

May 10, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20427	FD-41-08172022	20427001	SE	✓
20427	SIB-SC-C06-1-2-08172022	20427002	SE	✓
20427	SIB-SC-C06-2-3-08172022	20427003	SE	✓
20427	SIB-SC-C06-3-4-08172022	20427004	SE	✓
20427	SIB-SC-C06-4-5-08172022	20427005	SE	✓
20427	SIB-SC-C06-5-6-08172022	20427006	SE	✓
20427	SIB-SC-C07-1-2-08182022	20427007	SE	✓
20427	SIB-SC-C07-2-3-08182022	20427008	SE	✓
20427	SIB-SC-C07-3-4-08182022	20427009	SE	✓
20427	SIB-SC-C07-4-5-08182022	20427010	SE	✓
20427	SIB-SC-C07-5-6-08182022	20427011	SE	✓
20427	SIB-SC-F03-1-2-08182022	20427012	SE	✓
20427	SIB-SC-F03-2-3-08182022	20427013	SE	✓
20427	SIB-SC-F03-3-4-08/18/2022	20427016	SE	✓
20427	SIB-SC-F03-4-5-08182022	20427017	SE	✓
20427	SIB-SC-F03-5-6-08182022	20427018	SE	✓
20427	FD-42-08182022	20427019	SE	✓
20427	SIB-SC-F02-1-2-08182022	20427020	SE	✓
20427	SIB-SC-F02-2-3-08182022	20427021	SE	✓
20427	SIB-SC-F02-3-4-08182022	20427022	SE	✓
20427	SIB-SC-F02-4-5-08182022	20427023	SE	✓
20427	SIB-SC-F02-5-6-08182022	20427024	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20427	22 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 20 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified

as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are “estimated maximum possible concentrations” or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples and results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-C06-1-2-08/17/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SC-C06-2-3-08/17/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C06-3-4-08/17/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-C06-4-5-08/17/2022	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-C06-5-6-08/17/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-C07-1-2-08/18/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C07-2-3-08/18/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C07-3-4-08/18/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C07-4-5-08/18/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C07-5-6-08/18/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-F03-1-2-08/18/2022	1,2,3,6,7,8-HxCDF	U-MBL
SIB-SC-F03-2-3-08/18/2022	1,2,3,6,7,8-HxCDF	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB08-08212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is

greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-F03-2-3-08/18/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	57.2	195	62.1	J-MSL/MSH/MSP
OCDD	-101	481	94.5	J-MSLX/MSHX/MSP
OCDF	17.6	OK	110	J-MSL/MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field duplicates were submitted.

For SIB-SC-E03-2-3-08/17/2022 & FD-41-08/17/2022, the field duplicate sample was reported in this SDG and the parent sample was reported in SDG 20426. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR

For SIB-SC-F03-3-4-08/18/2022 & FD-42-08/18/2022, the following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	DIFFERENCE	J-FDPA
2,3,7,8-TCDF	DIFFERENCE	J-FDPA
2,3,7,8-TCDD	DIFFERENCE	J-FDPA
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	RPD	J-FDPR
Total PeCDD	DIFFERENCE	J-FDPA

ANALYTE	OUTLIER TYPE	QUALIFIER
Total TCDF	DIFFERENCE	J-FDPA
Total TCDD	RPD	J-FDPR
Total HpCDF	DIFFERENCE	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-41-08/17/2022	20427001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	71.3	pg/g		J	FDPR	
FD-41-08/17/2022	20427001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	18.1	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.717	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.988	pg/g	BJ			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.76	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.971	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.464	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.484	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.373	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.293	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.82	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.19	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.5	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.68	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-41-08/17/2022	20427001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-41-08/17/2022	20427001	E1613B	Heptachlorodibenzo-P-Dioxin	44.9	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	HEXACHLORODIBENZOFURAN	51.4	pg/g	J	J	FDPR	
FD-41-08/17/2022	20427001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	10.6	pg/g	JK	J	VJ	
FD-41-08/17/2022	20427001	E1613B	OCTACHLORODIBENZOFURAN	31.7	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	276	pg/g				✓
FD-41-08/17/2022	20427001	E1613B	PENTACHLORO DIBENZOFURAN	20.9	pg/g	J			✓
FD-41-08/17/2022	20427001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.72	pg/g	JK	J	VJ	
FD-41-08/17/2022	20427001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.03	pg/g	JK	J	VJ	
FD-41-08/17/2022	20427001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.742	pg/g	JK	J	VJ	
FD-41-08/17/2022	20427001	E1613B	TOTAL HpCDFs	125	pg/g	J	J	FDPR	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.915	pg/g	BJ	U	MBL	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.28	pg/g	J			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.141	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.107	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.228	pg/g	J			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.115	pg/g				✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.385	pg/g				✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	Heptachlorodibenzo-P-Dioxin	9.6	pg/g	J			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	HEXACHLORODIBENZOFURAN	1.33	pg/g	BJK	J	VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.87	pg/g	JK	J	VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	OCTACHLORODIBENZOFURAN	1.4	pg/g	J			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	48.5	pg/g				✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	PENTACHLORO DIBENZOFURAN	0.528	pg/g	JK	J	VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.479	pg/g	JK	J	VJ	
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-1-2-08/17/2022	20427002	E1613B	TOTAL HpCDFs	2.6	pg/g	BJ			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.72	pg/g	BJ	U	MBL	
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.31	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.109	pg/g	BJ	U	MBL	
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.102	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.366	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	Heptachlorodibenzo-P-Dioxin	14.7	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	HEXACHLORODIBENZOFURAN	0.79	pg/g	BJ			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.26	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	OCTACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	66.9	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	PENTACHLORO DIBENZOFURAN	0.41	pg/g	JK	J	VJ	
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.476	pg/g	JK	J	VJ	
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.689	pg/g	JK	J	VJ	
SIB-SC-C06-2-3-08/17/2022	20427003	E1613B	TOTAL HpCDFs	2.52	pg/g	BJ			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.198	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.14	pg/g	BJ	U	MBL	
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.017	pg/g				✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.288	pg/g				✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	Heptachlorodibenzo-P-Dioxin	3.17	pg/g	J			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	HEXACHLORODIBENZOFURAN	0.115	pg/g	BJK	J	VJ	
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	J			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.2	pg/g				✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.142	pg/g	JK	J	VJ	
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.439	pg/g	J			✓
SIB-SC-C06-3-4-08/17/2022	20427004	E1613B	TOTAL HpCDFs	0.198	pg/g	BJK	J	VJ	
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.19	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0155	pg/g				✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.287	pg/g				✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	Heptachlorodibenzo-P-Dioxin	4	pg/g	JK	J	VJ	
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.36	pg/g	J			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11.9	pg/g				✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.184	pg/g	JK	J	VJ	
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.606	pg/g	J			✓
SIB-SC-C06-4-5-08/17/2022	20427005	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.189	pg/g	BJ	U	MBL	
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.14	pg/g	BJ	U	MBL	
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0171	pg/g				✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.312	pg/g				✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	Heptachlorodibenzo-P-Dioxin	3.43	pg/g	J			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	HEXACHLORODIBENZOFURAN	0.0874	pg/g	BJ			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	J			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.8	pg/g				✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.173	pg/g	J			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.793	pg/g	J			✓
SIB-SC-C06-5-6-08/17/2022	20427006	E1613B	TOTAL HpCDFs	0.189	pg/g	BJ			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.589	pg/g	BJ	U	MBL	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.47	pg/g	J			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.107	pg/g	BJ	U	MBL	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0748	pg/g				✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.321	pg/g				✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	Heptachlorodibenzo-P-Dioxin	10.7	pg/g	J			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	HEXACHLORODIBENZOFURAN	0.707	pg/g	BJK	J	VJ	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.13	pg/g	JK	J	VJ	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	OCTACHLORODIBENZOFURAN	1.27	pg/g	J			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	43.8	pg/g				✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	PENTACHLORO DIBENZOFURAN	0.16	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.164	pg/g	J			✓
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.248	pg/g	JK	J	VJ	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.505	pg/g	JK	J	VJ	
SIB-SC-C07-1-2-08/18/2022	20427007	E1613B	TOTAL HpCDFs	1.68	pg/g	BJ			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.309	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.72	pg/g	BJ			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0534	pg/g				✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.235	pg/g				✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.151	pg/g	J			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	Heptachlorodibenzo-P-Dioxin	7.58	pg/g	JK	J	VJ	
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	HEXACHLORODIBENZOFURAN	0.346	pg/g	BJ			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.84	pg/g	JK	J	VJ	
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	OCTACHLORODIBENZOFURAN	0.516	pg/g	J			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	26.4	pg/g				✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	PENTACHLORO DIBENZOFURAN	0.0658	pg/g	J			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.474	pg/g	J			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.151	pg/g	J			✓
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.88	pg/g	JK	J	VJ	
SIB-SC-C07-2-3-08/18/2022	20427008	E1613B	TOTAL HpCDFs	0.946	pg/g	BJK	J	VJ	
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.03	pg/g	BJ	U	MBL	
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	8.34	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.269	pg/g	J			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.238	pg/g	J			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.116	pg/g	JK	J	VJ	
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.205	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.456	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	Heptachlorodibenzo-P-Dioxin	19.4	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	HEXACHLORODIBENZOFURAN	1.18	pg/g	BJ			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.35	pg/g	J			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	OCTACHLORODIBENZOFURAN	2.57	pg/g	J			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	84.5	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	PENTACHLORO DIBENZOFURAN	0.481	pg/g	JK	J	VJ	
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.68	pg/g	JK	J	VJ	
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.46	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	20427009	E1613B	TOTAL HpCDFs	3.34	pg/g	J			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.44	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.42	pg/g	BJ			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.12	pg/g	JK	J	VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0394	pg/g				✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.241	pg/g				✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	Heptachlorodibenzo-P-Dioxin	6.09	pg/g	J			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	HEXACHLORODIBENZOFURAN	0.38	pg/g	BJK	J	VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.32	pg/g	JK	J	VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	OCTACHLORODIBENZOFURAN	0.705	pg/g	J			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	23.3	pg/g				✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	PENTACHLORO DIBENZOFURAN	0.336	pg/g	JK	J	VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.311	pg/g	JK	J	VJ	
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.02	pg/g				✓
SIB-SC-C07-4-5-08/18/2022	20427010	E1613B	TOTAL HpCDFs	1.21	pg/g	BJK	J	VJ	
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.113	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.848	pg/g	BJ	U	MBL	
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0128	pg/g				✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.262	pg/g				✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	Heptachlorodibenzo-P-Dioxin	3.18	pg/g	J			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.27	pg/g	JK	J	VJ	
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10.6	pg/g				✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.451	pg/g	JK	J	VJ	
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.39	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C07-5-6-08/18/2022	20427011	E1613B	TOTAL HpCDFs	0.113	pg/g	BJK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.3	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	101	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.63	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.88	pg/g	BJ			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.375	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.381	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.19	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.896	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.235	pg/g	J			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.258	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.463	pg/g	J			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.399	pg/g	J			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.35	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.47	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.377	pg/g	J			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	Heptachlorodibenzo-P-Dioxin	215	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	HEXACHLORODIBENZOFURAN	16.2	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19.3	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	OCTACHLORODIBENZOFURAN	23.5	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	888	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	PENTACHLORO DIBENZOFURAN	4.73	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.13	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.84	pg/g	JK	J	VJ	
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.16	pg/g				✓
SIB-SC-F03-1-2-08/18/2022	20427012	E1613B	TOTAL HpCDFs	45.3	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.5	pg/g				✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	94.7	pg/g		J	MSL,MSH,MSP	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.625	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.972	pg/g	BJK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.59	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.475	pg/g	BJ	U	MBL	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.8	pg/g	J			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.16	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.2	pg/g	J			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.36	pg/g	J			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.586	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.445	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.54	pg/g				✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.67	pg/g				✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.451	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	Heptachlorodibenzo-P-Dioxin	199	pg/g				✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	HEXACHLORODIBENZOFURAN	18.3	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	21	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	OCTACHLORODIBENZOFURAN	30.9	pg/g		J	MSL,MSP	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	844	pg/g		J	ISLX,MSHX,MSP	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	PENTACHLORO DIBENZOFURAN	5.78	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.59	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.53	pg/g	JK	J	VJ	
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.64	pg/g	J			✓
SIB-SC-F03-2-3-08/18/2022	20427013	E1613B	TOTAL HpCDFs	47.6	pg/g	JK	J	VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	90.5	pg/g		J	FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	507	pg/g		J	FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.33	pg/g				✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.47	pg/g				✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.37	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.34	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.8	pg/g		J	FDPA	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.93	pg/g	JK	J	VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.93	pg/g				✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.43	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.34	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.13	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.18	pg/g	J			✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.4	pg/g				✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.4	pg/g				✓
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.6	pg/g		J	FDPA	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.74	pg/g		DNR	EXC	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.628	pg/g	K	J	FDPA,VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	Heptachlorodibenzo-P-Dioxin	993	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	HEXACHLORODIBENZOFURAN	132	pg/g	JK	J	FDPR,VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	128	pg/g	J	J	FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	OCTACHLORODIBENZOFURAN	256	pg/g		J	FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4510	pg/g	E	J	ACR,FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	PENTACHLORO DIBENZOFURAN	41.5	pg/g	J	J	FDPR	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19	pg/g	JK	J	FDPA,VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.8	pg/g	JK	J	FDPA,VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.3	pg/g	JK	J	FDPR,VJ	
SIB-SC-F03-3-4-08/18/2022	20427016	E1613B	TOTAL HpCDFs	340	pg/g	JK	J	FDPA,VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	54.8	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	280	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.76	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.91	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.69	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.11	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.8	pg/g	K	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.07	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.84	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.859	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.68	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.92	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.2	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.2	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.8	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.61	pg/g		DNR	EXC	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.512	pg/g	J			✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	Heptachlorodibenzo-P-Dioxin	565	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	HEXACHLORODIBENZOFURAN	75.2	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	88.1	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	OCTACHLORODIBENZOFURAN	129	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2820	pg/g				✓
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	PENTACHLORO DIBENZOFURAN	26.1	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	20	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.27	pg/g	JK	J	VJ	
SIB-SC-F03-4-5-08/18/2022	20427017	E1613B	TOTAL HpCDFs	193	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	49.5	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	303	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.19	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.09	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.03	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.37	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.4	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.42	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.976	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.43	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.51	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.98	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.3	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.3	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.17	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.35	pg/g		DNR	EXC	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.499	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	Heptachlorodibenzo-P-Dioxin	576	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	HEXACHLORODIBENZOFURAN	77.2	pg/g	J			✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	94.1	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	OCTACHLORODIBENZOFURAN	124	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2840	pg/g				✓
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	PENTACHLORO DIBENZOFURAN	27.1	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.5	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.5	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.29	pg/g	JK	J	VJ	
SIB-SC-F03-5-6-08/18/2022	20427018	E1613B	TOTAL HpCDFs	186	pg/g	JK	J	VJ	
FD-42-08/18/2022	20427019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.7	pg/g		J	FDPR	
FD-42-08/18/2022	20427019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	134	pg/g		J	FDPR	
FD-42-08/18/2022	20427019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.49	pg/g	JK	J	VJ	
FD-42-08/18/2022	20427019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.87	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.957	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.967	pg/g	BJ			✓
FD-42-08/18/2022	20427019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.23	pg/g	J	J	FDPA	
FD-42-08/18/2022	20427019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.558	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.83	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-42-08/18/2022	20427019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.434	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.807	pg/g	JK	J	VJ	
FD-42-08/18/2022	20427019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.15	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.925	pg/g	J			✓
FD-42-08/18/2022	20427019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.4	pg/g				✓
FD-42-08/18/2022	20427019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.54	pg/g				✓
FD-42-08/18/2022	20427019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.33	pg/g	K	J	FDPA,VJ	
FD-42-08/18/2022	20427019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.14	pg/g		DNR	EXC	
FD-42-08/18/2022	20427019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	J	FDPA	
FD-42-08/18/2022	20427019	E1613B	Heptachlorodibenzo-P-Dioxin	270	pg/g				✓
FD-42-08/18/2022	20427019	E1613B	HEXACHLORODIBENZOFURAN	37.5	pg/g	J	J	FDPR	
FD-42-08/18/2022	20427019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	34.4	pg/g	JK	J	FDPR,VJ	
FD-42-08/18/2022	20427019	E1613B	OCTACHLORODIBENZOFURAN	65.9	pg/g		J	FDPR	
FD-42-08/18/2022	20427019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1300	pg/g		J	FDPR	
FD-42-08/18/2022	20427019	E1613B	PENTACHLORO DIBENZOFURAN	12.3	pg/g	JK	J	FDPR,VJ	
FD-42-08/18/2022	20427019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.73	pg/g	JK	J	FDPA,VJ	
FD-42-08/18/2022	20427019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.6	pg/g	JK	J	FDPA,VJ	
FD-42-08/18/2022	20427019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.83	pg/g	JK	J	FDPR,VJ	
FD-42-08/18/2022	20427019	E1613B	TOTAL HpCDFs	99.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	142	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.722	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.21	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.03	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.6	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.18	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.689	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.544	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.01	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.18	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.66	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.66	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.796	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.441	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	Heptachlorodibenzo-P-Dioxin	294	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	HEXACHLORODIBENZOFURAN	31.3	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.9	pg/g	J			✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	OCTACHLORODIBENZOFURAN	54	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1350	pg/g				✓
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	PENTACHLORO DIBENZOFURAN	13.6	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.71	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.93	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.54	pg/g	JK	J	VJ	
SIB-SC-F02-1-2-08/18/2022	20427020	E1613B	TOTAL HpCDFs	74.1	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	90.9	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	346	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.7	pg/g	K	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.73	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.96	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.49	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.41	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.28	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.99	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.22	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.22	pg/g	J			✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.5	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.5	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.31	pg/g		DNR	EXC	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.11	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.2	pg/g	K	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	Heptachlorodibenzo-P-Dioxin	748	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	HEXACHLORODIBENZOFURAN	146	pg/g	JK	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	121	pg/g	JK	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	OCTACHLORODIBENZOFURAN	216	pg/g				✓
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4070	pg/g	E	J	ACR	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	PENTACHLORO DIBENZOFURAN	68.2	pg/g	JK	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	26.9	pg/g	JK	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.2	pg/g	K	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.7	pg/g	K	J	VJ	
SIB-SC-F02-2-3-08/18/2022	20427021	E1613B	TOTAL HpCDFs	310	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	247	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	301	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.47	pg/g	K	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.76	pg/g	K	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.14	pg/g	J			✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	24.1	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.44	pg/g	J			✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.26	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.88	pg/g	JK	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.31	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	18	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	18.3	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	pg/g		DNR	EXC	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.82	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	Heptachlorodibenzo-P-Dioxin	761	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	HEXACHLORODIBENZOFURAN	268	pg/g	JK	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	122	pg/g	J			✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	OCTACHLORODIBENZOFURAN	269	pg/g				✓
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4690	pg/g	E	J	ACR	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	PENTACHLORO DIBENZOFURAN	147	pg/g	JK	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	29.4	pg/g	JK	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	63.7	pg/g	K	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.8	pg/g	JK	J	VJ	
SIB-SC-F02-3-4-08/18/2022	20427022	E1613B	TOTAL HpCDFs	571	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	277	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	683	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.4	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.5	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.83	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.5	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.84	pg/g	J			✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.34	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.74	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29.2	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29.2	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.16	pg/g		DNR	EXC	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.06	pg/g	K	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.23	pg/g	K	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	Heptachlorodibenzo-P-Dioxin	1550	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	HEXACHLORODIBENZOFURAN	355	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	247	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	OCTACHLORODIBENZOFURAN	710	pg/g				✓
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9670	pg/g	E	J	ACR	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	PENTACHLORO DIBENZOFURAN	169	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	51.2	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	82.5	pg/g	K	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	28	pg/g	JK	J	VJ	
SIB-SC-F02-4-5-08/18/2022	20427023	E1613B	TOTAL HpCDFs	925	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	58.2	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	113	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.25	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.14	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.22	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.92	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.802	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.09	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.965	pg/g	BJ			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.21	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.71	pg/g	J			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.19	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.47	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	Heptachlorodibenzo-P-Dioxin	296	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	HEXACHLORODIBENZOFURAN	85.3	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	47.7	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	OCTACHLORODIBENZOFURAN	104	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1900	pg/g				✓
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	PENTACHLORO DIBENZOFURAN	46.9	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.5	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.28	pg/g	JK	J	VJ	
SIB-SC-F02-5-6-08/18/2022	20427024	E1613B	TOTAL HpCDFs	178	pg/g	J			✓
SIB-SC-C06-3-4-08/17/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.29	pg/g				✓
SIB-SC-C06-4-5-08/17/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.29	pg/g				✓
SIB-SC-C07-2-3-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.23	pg/g				✓
SIB-SC-C07-3-4-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.46	pg/g				✓
SIB-SC-C07-5-6-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.26	pg/g				✓
SIB-SC-C06-1-2-08/17/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.39	pg/g				✓
SIB-SC-C06-5-6-08/17/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.31	pg/g				✓
SIB-SC-C07-4-5-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.24	pg/g				✓
SIB-SC-C06-2-3-08/17/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.37	pg/g				✓
SIB-SC-C07-1-2-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.32	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20428

April 20, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20428	SIB-SC-H03-1-2-08/18/2022	20428001	SE	✓
20428	SIB-SC-H03-2-3-08/18/2022	20428002	SE	✓
20428	SIB-SC-H03-3-4-08/18/2022	20428003	SE	✓
20428	SIB-SC-H03-4-5-08/18/2022	20428006	SE	✓
20428	SIB-SC-H03-5-6-08/18/2022	20428007	SE	✓
20428	FD-43-08/18/2022	20428008	SE	✓
20428	SIB-SC-H02-0-1-08/18/2022	20428009	SE	✓
20428	SIB-SC-H02-1-2-08/18/2022	20428010	SE	✓
20428	SIB-SC-H02-2-3-08/18/2022	20428011	SE	✓
20428	SIB-SC-H02-3-4-08/18/2022	20428012	SE	✓
20428	SIB-SC-H02-4-5-08/18/2022	20428013	SE	✓
20428	SIB-SC-H02-5-6-08/18/2022	20428014	SE	✓
20428	SIB-SC-G02-1-2-08/18/2022	20428015	SE	✓
20428	SIB-SC-G02-2-3-08/18/2022	20428016	SE	✓
20428	SIB-SC-G02-3-4-08/18/2022	20428017	SE	✓
20428	SIB-SC-G02-4-5-08/18/2022	20428018	SE	✓
20428	SIB-SC-G02-5-6-08/18/2022	20428019	SE	✓
20428	PSRM0158	20428020	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20428	18 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For one sample, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 14 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	System Performance and Resolution Checks	1	Certified Reference Material
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Calibration Verification (CCAL)	✓	Target Analyte List
✓	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	2	Compound Quantitation
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Field Blanks

No field blank samples were submitted with this SDG.

Certified Reference Material

Puget Sound Reference Material was analyzed with this SDG. All concentrations were within the advisory limits.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-H03-2-3-08/18/2022 & FD-43-08/18/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were estimated (J-VJ).

Compound Quantitation

The laboratory E-flagged several sample results to indicate the concentration exceeded the calibration range of the instrument. These results were estimated (J-ACR).

Calculation Verification

Calculation verifications were performed for this sample delivery group (SDG). No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, SRM, and MS/MSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD, MS/MSD, and field duplicate RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result (from multiple reported analyses) should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	250	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	205	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.19	pg/g	J			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.02	pg/g	K	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.65	pg/g	J			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g	K	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.73	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.57	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.13	pg/g	J			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.78	pg/g	J			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.33	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.46	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.6	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.2	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	Heptachlorodibenzo-P-Dioxin	621	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	HEXACHLORODIBENZOFURAN	203	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	99.7	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	OCTACHLORODIBENZOFURAN	155	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4440	pg/g	E	J	ACR	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	PENTACHLORO DIBENZOFURAN	170	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	50.9	pg/g	JK	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.02	pg/g	K	J	VJ	
SIB-SC-H03-1-2-08/18/2022	20428001	E1613B	TOTAL HpCDFs	498	pg/g	JK	J	VJ	
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.5	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.867	pg/g	JK	J	VJ	
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.48	pg/g	J			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.745	pg/g	J			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.835	pg/g	J			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.785	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.62	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	Heptachlorodibenzo-P-Dioxin	29.7	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	HEXACHLORODIBENZOFURAN	16.7	pg/g	JK	J	VJ	
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.2	pg/g	JK	J	VJ	
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	OCTACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	171	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	PENTACHLORO DIBENZOFURAN	8.66	pg/g	J			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.761	pg/g	J			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.92	pg/g	K	J	VJ	
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-2-3-08/18/2022	20428002	E1613B	TOTAL HpCDFs	41.8	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.2	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	13.9	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.25	pg/g	J			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.92	pg/g	J			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.762	pg/g	JK	J	VJ	
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.549	pg/g	JK	J	VJ	
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.3	pg/g	J			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.782	pg/g	J			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.81	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.67	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	Heptachlorodibenzo-P-Dioxin	35.5	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	HEXACHLORODIBENZOFURAN	33.5	pg/g	J			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	8.26	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	OCTACHLORODIBENZOFURAN	23.5	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	201	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	PENTACHLORO DIBENZOFURAN	19.6	pg/g	JK	J	VJ	
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.18	pg/g	JK	J	VJ	
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.47	pg/g	JK	J	VJ	
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-3-4-08/18/2022	20428003	E1613B	TOTAL HpCDFs	90.3	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.72	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.422	pg/g	J			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.948	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.526	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.488	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.337	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.578	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.05	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	Heptachlorodibenzo-P-Dioxin	18.3	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	HEXACHLORODIBENZOFURAN	10.5	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.88	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	OCTACHLORODIBENZOFURAN	8.11	pg/g	J			✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	104	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	PENTACHLORO DIBENZOFURAN	5.76	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.6	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.956	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.562	pg/g	JK	J	VJ	
SIB-SC-H03-4-5-08/18/2022	20428006	E1613B	TOTAL HpCDFs	25	pg/g				✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.93	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.991	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0321	pg/g				✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.875	pg/g				✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	Heptachlorodibenzo-P-Dioxin	2.49	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	HEXACHLORODIBENZOFURAN	0.985	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.744	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	OCTACHLORODIBENZOFURAN	1.1	pg/g	JK	J	VJ	
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.46	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	PENTACHLORO DIBENZOFURAN	0.538	pg/g	J			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H03-5-6-08/18/2022	20428007	E1613B	TOTAL HpCDFs	3.17	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	18.8	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.515	pg/g	J			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.808	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.63	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.632	pg/g	J			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.36	pg/g	J			✓
FD-43-08/18/2022	20428008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.62	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.655	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-43-08/18/2022	20428008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.973	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.5	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.673	pg/g	J			✓
FD-43-08/18/2022	20428008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	Heptachlorodibenzo-P-Dioxin	24.3	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	HEXACHLORODIBENZOFURAN	14.1	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.29	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	OCTACHLORODIBENZOFURAN	11.2	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	146	pg/g				✓
FD-43-08/18/2022	20428008	E1613B	PENTACHLORO DIBENZOFURAN	10.1	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.713	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.76	pg/g	JK	J	VJ	
FD-43-08/18/2022	20428008	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-43-08/18/2022	20428008	E1613B	TOTAL HpCDFs	32.6	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.3	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	157	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.93	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.882	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.66	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.321	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.7	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.497	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.811	pg/g	J			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.89	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.728	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.71	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.34	pg/g	K	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.08	pg/g	K	DNR	EXC	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	Heptachlorodibenzo-P-Dioxin	275	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	HEXACHLORODIBENZOFURAN	23.2	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	OCTACHLORODIBENZOFURAN	104	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2040	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	PENTACHLORO DIBENZOFURAN	10.5	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.41	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.89	pg/g	JK	J	VJ	
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H02-0-1-08/18/2022	20428009	E1613B	TOTAL HpCDFs	84.1	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	72.2	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	185	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.91	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.8	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.95	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.78	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.45	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.23	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.82	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.54	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.36	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.15	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.98	pg/g	J			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.75	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.11	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	Heptachlorodibenzo-P-Dioxin	461	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	HEXACHLORODIBENZOFURAN	105	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	77	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	OCTACHLORODIBENZOFURAN	136	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2630	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	PENTACHLORO DIBENZOFURAN	61.1	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.2	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18	pg/g	JK	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.24	pg/g	K	J	VJ	
SIB-SC-H02-1-2-08/18/2022	20428010	E1613B	TOTAL HpCDFs	212	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.4	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	115	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.21	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.08	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.88	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.54	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.86	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.838	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.687	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.47	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.16	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.23	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.487	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	Heptachlorodibenzo-P-Dioxin	286	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	HEXACHLORODIBENZOFURAN	55.4	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41.3	pg/g	J			✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	OCTACHLORODIBENZOFURAN	124	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1790	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	PENTACHLORO DIBENZOFURAN	37.1	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.79	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10.3	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.55	pg/g	JK	J	VJ	
SIB-SC-H02-2-3-08/18/2022	20428011	E1613B	TOTAL HpCDFs	145	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	252	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	601	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17.6	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.78	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.5	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.69	pg/g	J			✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.7	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.95	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.12	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.3	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.4	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.76	pg/g		DNR	EXC	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.96	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.35	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	Heptachlorodibenzo-P-Dioxin	1520	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	HEXACHLORODIBENZOFURAN	344	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	215	pg/g	J			✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	OCTACHLORODIBENZOFURAN	696	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10800	pg/g	E	J	ACR	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	PENTACHLORO DIBENZOFURAN	218	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41.6	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	95.5	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.2	pg/g	JK	J	VJ	
SIB-SC-H02-3-4-08/18/2022	20428012	E1613B	TOTAL HpCDFs	844	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	75.3	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	67.9	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.24	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.527	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.1	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.75	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.918	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.775	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.616	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.28	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.83	pg/g	J			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.18	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.36	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.568	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	Heptachlorodibenzo-P-Dioxin	192	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	HEXACHLORODIBENZOFURAN	78.6	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	29.1	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	OCTACHLORODIBENZOFURAN	113	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1220	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	PENTACHLORO DIBENZOFURAN	78.7	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.31	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.2	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.29	pg/g	JK	J	VJ	
SIB-SC-H02-4-5-08/18/2022	20428013	E1613B	TOTAL HpCDFs	182	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	498	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	117	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.49	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.58	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.02	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.6	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.43	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.14	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.34	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.99	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.2	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.4	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.22	pg/g	K	DNR	EXC	
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.61	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	Heptachlorodibenzo-P-Dioxin	306	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	HEXACHLORODIBENZOFURAN	322	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	62.7	pg/g	J			✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	OCTACHLORODIBENZOFURAN	249	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1820	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	PENTACHLORO DIBENZOFURAN	220	pg/g	JK	J	VJ	
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	PENTACHLORODIBENZO-P-DIOXIN	21	pg/g	JK	J	VJ	
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	67.9	pg/g	JK	J	VJ	
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.94	pg/g	JK	J	VJ	
SIB-SC-H02-5-6-08/18/2022	20428014	E1613B	TOTAL HpCDFs	870	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	102	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	478	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.22	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.07	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.04	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.52	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.7	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.32	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.79	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.95	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.42	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.47	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.9	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.9	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.64	pg/g		DNR	EXC	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.51	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.56	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	Heptachlorodibenzo-P-Dioxin	992	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	HEXACHLORODIBENZOFURAN	149	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	134	pg/g	J			✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	OCTACHLORODIBENZOFURAN	341	pg/g				✓
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6280	pg/g	E	J	ACR	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	PENTACHLORO DIBENZOFURAN	80.1	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.6	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	41.5	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.64	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	20428015	E1613B	TOTAL HpCDFs	388	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	204	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	617	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.89	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.9	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.87	pg/g	J			✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.7	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.04	pg/g	J			✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.02	pg/g	K	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.49	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.35	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.5	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.5	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.17	pg/g		DNR	EXC	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.5	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	Heptachlorodibenzo-P-Dioxin	1370	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	HEXACHLORODIBENZOFURAN	273	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	206	pg/g	J			✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	OCTACHLORODIBENZOFURAN	552	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7930	pg/g	E	J	ACR	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	PENTACHLORO DIBENZOFURAN	149	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.3	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.9	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18.1	pg/g	JK	J	VJ	
SIB-SC-G02-2-3-08/18/2022	20428016	E1613B	TOTAL HpCDFs	696	pg/g	J			✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	251	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	611	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.26	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.6	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.6	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.34	pg/g	J			✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.32	pg/g	J			✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.64	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.22	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.4	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.4	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.99	pg/g		DNR	EXC	
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	Heptachlorodibenzo-P-Dioxin	1480	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	HEXACHLORODIBENZOFURAN	316	pg/g	J			✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	214	pg/g	JK	J	VJ	
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	OCTACHLORODIBENZOFURAN	712	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9580	pg/g	E	J	ACR	
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	PENTACHLORO DIBENZOFURAN	183	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41.3	pg/g	J			✓
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.7	pg/g	JK	J	VJ	
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	22.3	pg/g	JK	J	VJ	
SIB-SC-G02-3-4-08/18/2022	20428017	E1613B	TOTAL HpCDFs	836	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	35.6	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	62.2	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.27	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.46	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.528	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.88	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.57	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.757	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.446	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.414	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.22	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.48	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.65	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.473	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	Heptachlorodibenzo-P-Dioxin	173	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	HEXACHLORODIBENZOFURAN	44.9	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	25.1	pg/g	J			✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	OCTACHLORODIBENZOFURAN	63.7	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1100	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	PENTACHLORO DIBENZOFURAN	45.7	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.82	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.9	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.4	pg/g	JK	J	VJ	
SIB-SC-G02-4-5-08/18/2022	20428018	E1613B	TOTAL HpCDFs	103	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	140	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	130	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.93	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.7	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.777	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.38	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.58	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.18	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.04	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.04	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.87	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.83	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.1	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.834	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	Heptachlorodibenzo-P-Dioxin	314	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	HEXACHLORODIBENZOFURAN	154	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	48.3	pg/g	J			✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	OCTACHLORODIBENZOFURAN	212	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1810	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	PENTACHLORO DIBENZOFURAN	165	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.8	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.7	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.12	pg/g	JK	J	VJ	
SIB-SC-G02-5-6-08/18/2022	20428019	E1613B	TOTAL HpCDFs	345	pg/g	JK	J	VJ	
SIB-SC-G02-1-2-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.3	pg/g				✓
SIB-SC-G02-2-3-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.3	pg/g				✓
SIB-SC-G02-4-5-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.7	pg/g				✓
SIB-SC-G02-5-6-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.1	pg/g				✓
SIB-SC-H02-0-1-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.1	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.1	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.2	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.4	pg/g				✓
SIB-SC-H03-2-3-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.6	pg/g				✓
SIB-SC-H03-3-4-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.7	pg/g				✓
SIB-SC-H03-5-6-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.88	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.5	pg/g				✓
SIB-SC-H03-1-2-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.9	pg/g	A			✓
SIB-SC-H02-3-4-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.1	pg/g				✓
SIB-SC-G02-3-4-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.8	pg/g				✓
SIB-SC-H03-4-5-08/18/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-H02-0-1-08/18/2022	Calc	CALC	SUM PCB CONGENERS	509000	pg/g				✓
SIB-SC-H02-1-2-08/18/2022	Calc	CALC	SUM PCB CONGENERS	323000	pg/g				✓
SIB-SC-H02-2-3-08/18/2022	Calc	CALC	SUM PCB CONGENERS	386000	pg/g				✓
SIB-SC-H02-4-5-08/18/2022	Calc	CALC	SUM PCB CONGENERS	185000	pg/g				✓
SIB-SC-H02-5-6-08/18/2022	Calc	CALC	SUM PCB CONGENERS	139000	pg/g				✓
SIB-SC-H02-3-4-08/18/2022	Calc	CALC	SUM PCB CONGENERS	439000	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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SDG: 20429

May 10, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20429	SIB-SC-C09-1-2-08/19/2022	20429001	SE	✓
20429	SIB-SC-C09-2-3-08192022	20429002	SE	✓
20429	SIB-SC-C09-3-4-08192022	20429005	SE	✓
20429	SIB-SC-C09-4-5-08192022	20429006	SE	✓
20429	SIB-SC-C09-5-6-08192022	20429007	SE	✓
20429	FD-44-08/19/2022	20429008	SE	✓
20429	SIB-SC-C08-1-2-08192022	20429009	SE	✓
20429	SIB-SC-C08-2-3-08192022	20429010	SE	✓
20429	SIB-SC-C08-3-4-08192022	20429011	SE	✓
20429	SIB-SC-C08-4-5-08192022	20429012	SE	✓
20429	SIB-SC-C08-5-6-08192022	20429013	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20429	11 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 9 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified

as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-C09-4-5-08/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C09-5-6-08/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C08-1-2-08/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C08-2-3-08/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C08-3-4-08/19/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-C08-5-6-08/19/2022	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB08-08212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-C09-08/19/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDF	OK	-108	80.1	J-MSLX,MSP
1,2,3,4,6,7,8-HpCDD	Parent > 4x Spike Conc		131	J-MSP
1,2,3,6,7,8-HxCDD	OK	61.3	32.6	J-MSL,MSP

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
2,3,7,8-TCDF	OK	OK	23	J-MSP
OCDD	Parent > 4x Spike Conc		148	J-MSP
OCDF	10.3	-252	78.2	J-MSLX,MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, FD-44-08/19/2022 & SIB-SC-09-1-2-08/19/2022, was submitted. The precision for this set was not acceptable for most analytes, and the following qualifiers were assigned. Note that when the field duplicate sample is compared to Sample SIB-SC-09-2-3-08/19/2022, all RPD values are within control limits, indicating that the parent sample designation may be incorrect:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	DIFFERENCE	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8,9-HpCDF	DIFFERENCE	J-FDPA
1,2,3,4,7,8-HxCDF	DIFFERENCE	J-FDPA
1,2,3,6,7,8-HxCDD	DIFFERENCE	J-FDPA
1,2,3,7,8,9-HxCDD	DIFFERENCE	J-FDPA
2,3,7,8-TCDF	DIFFERENCE	J-FDPA
2,3,7,8-TCDD	DIFFERENCE	J/UJ-FDPA
OCDF	RPD	J-FDPR
OCDD	DIFFERENCE	J-FDPA
Total HpCDD	DIFFERENCE	J-FDPA
Total HxCDF	DIFFERENCE	J-FDPA
Total HxCDD	RPD	J-FDPR
Total PeCDF	DIFFERENCE	J-FDPA
Total PeCDD	DIFFERENCE	J-FDPA
Total TCDF	DIFFERENCE	J-FDPA
Total TCDD	DIFFERENCE	J/UJ-FDPA
Total HpCDF	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit.

Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD and MS/MSD RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21.4	pg/g		J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	114	pg/g		J	FDPR	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.69	pg/g	J	J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.96	pg/g	J	J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.916	pg/g	J			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.98	pg/g	J	J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.3	pg/g	JK	J	VJ,FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.932	pg/g	J			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.638	pg/g	J			✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.87	pg/g				✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.46	pg/g				✓
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.04	pg/g		DNR	EXC	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.16	pg/g		J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	Heptachlorodibenzo-P-Dioxin	247	pg/g		J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	HEXACHLORODIBENZOFURAN	28.9	pg/g	JK	J	VJ,FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	24.6	pg/g	JK	J	VJ,FDPR	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	OCTACHLORODIBENZOFURAN	95.2	pg/g		J	FDPR	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1170	pg/g		J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	PENTACHLORO DIBENZOFURAN	8.36	pg/g	J	J	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.09	pg/g	JK	J	VJ,FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.52	pg/g	JK	J	VJ,FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U	UJ	FDPA	
SIB-SC-C09-1-2-08/19/2022	20429001	E1613B	TOTAL HpCDFs	98.7	pg/g	J	J	FDPR	
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	245	pg/g		J	MSLX,MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1160	pg/g		J	MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.6	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	19.9	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.46	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.2	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	41.8	pg/g		J	MSL,MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.52	pg/g	J			✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.06	pg/g	J			✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.71	pg/g	K	J	VJ	
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.59	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	38.2	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	38.2	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.16	pg/g		DNR	EXC	
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.86	pg/g		J	MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.39	pg/g				✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	Heptachlorodibenzo-P-Dioxin	2220	pg/g	E	J	ACR	
SIB-SC-C09-2-3-08192022	20429002	E1613B	HEXACHLORODIBENZOFURAN	329	pg/g	J			✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	317	pg/g	J			✓
SIB-SC-C09-2-3-08192022	20429002	E1613B	OCTACHLORODIBENZOFURAN	910	pg/g		J	MSLX,MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11300	pg/g	E	J	ACR,MSP	
SIB-SC-C09-2-3-08192022	20429002	E1613B	PENTACHLORO DIBENZOFURAN	127	pg/g	JK	J	VJ	
SIB-SC-C09-2-3-08192022	20429002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	44	pg/g	JK	J	VJ	
SIB-SC-C09-2-3-08192022	20429002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.9	pg/g	K	J	VJ	
SIB-SC-C09-2-3-08192022	20429002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15.7	pg/g	JK	J	VJ	
SIB-SC-C09-2-3-08192022	20429002	E1613B	TOTAL HpCDFs	1030	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	183	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	986	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.8	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.84	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.79	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.2	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.12	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.3	pg/g	K	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.5	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.48	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29.9	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29.9	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.91	pg/g		DNR	EXC	
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.01	pg/g	K	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.869	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C09-3-4-08192022	20429005	E1613B	Heptachlorodibenzo-P-Dioxin	1970	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	HEXACHLORODIBENZOFURAN	248	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	238	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	OCTACHLORODIBENZOFURAN	574	pg/g				✓
SIB-SC-C09-3-4-08192022	20429005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9930	pg/g	E	J	ACR	
SIB-SC-C09-3-4-08192022	20429005	E1613B	PENTACHLORO DIBENZOFURAN	101	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	37.5	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.6	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.6	pg/g	JK	J	VJ	
SIB-SC-C09-3-4-08192022	20429005	E1613B	TOTAL HpCDFs	718	pg/g	JK	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	74	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	147	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.02	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.74	pg/g	JK	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.17	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.16	pg/g	K	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.83	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.75	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.942	pg/g	BJ	U	MBL	
SIB-SC-C09-4-5-08192022	20429006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.09	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.9	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.61	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.8	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.739	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	Heptachlorodibenzo-P-Dioxin	365	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	HEXACHLORODIBENZOFURAN	95	pg/g	JK	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	54.6	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	OCTACHLORODIBENZOFURAN	135	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2440	pg/g				✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	PENTACHLORO DIBENZOFURAN	61	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.7	pg/g	JK	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.6	pg/g	J			✓
SIB-SC-C09-4-5-08192022	20429006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.18	pg/g	JK	J	VJ	
SIB-SC-C09-4-5-08192022	20429006	E1613B	TOTAL HpCDFs	212	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.99	pg/g	BJ	U	MBL	
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.93	pg/g				✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.282	pg/g	J			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.129	pg/g				✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.591	pg/g				✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	Heptachlorodibenzo-P-Dioxin	14.6	pg/g				✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	HEXACHLORODIBENZOFURAN	2.41	pg/g	JK	J	VJ	
SIB-SC-C09-5-6-08192022	20429007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.78	pg/g	J			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	OCTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	67.6	pg/g				✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	PENTACHLORO DIBENZOFURAN	1.59	pg/g	BJK	J	VJ	
SIB-SC-C09-5-6-08192022	20429007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.306	pg/g	JK	J	VJ	
SIB-SC-C09-5-6-08192022	20429007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C09-5-6-08192022	20429007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.543	pg/g	JK	J	VJ	
SIB-SC-C09-5-6-08192022	20429007	E1613B	TOTAL HpCDFs	5.25	pg/g	J			✓
FD-44-08/19/2022	20429008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	251	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1150	pg/g		J	FDPR	
FD-44-08/19/2022	20429008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.1	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.97	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.8	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32.7	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.41	pg/g	J			✓
FD-44-08/19/2022	20429008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.8	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.11	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-44-08/19/2022	20429008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.98	pg/g	K	J	VJ	
FD-44-08/19/2022	20429008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.21	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.37	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	32.1	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	32.1	pg/g				✓
FD-44-08/19/2022	20429008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.24	pg/g		DNR	EXC	
FD-44-08/19/2022	20429008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.85	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.971	pg/g		J	FDPA	
FD-44-08/19/2022	20429008	E1613B	Heptachlorodibenzo-P-Dioxin	2320	pg/g	E	J	ACR,FDPA	
FD-44-08/19/2022	20429008	E1613B	HEXACHLORODIBENZOFURAN	262	pg/g	JK	J	VJ,FDPA	
FD-44-08/19/2022	20429008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	254	pg/g	JK	J	VJ,FDPR	
FD-44-08/19/2022	20429008	E1613B	OCTACHLORODIBENZOFURAN	843	pg/g		J	FDPR	
FD-44-08/19/2022	20429008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9950	pg/g	E	J	ACR,FDPA	
FD-44-08/19/2022	20429008	E1613B	PENTACHLORO DIBENZOFURAN	75.5	pg/g	JK	J	VJ,FDPA	
FD-44-08/19/2022	20429008	E1613B	PENTACHLORODIBENZO-P-DIOXIN	32.1	pg/g	JK	J	VJ,FDPA	
FD-44-08/19/2022	20429008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	42.3	pg/g	JK	J	VJ,FDPA	
FD-44-08/19/2022	20429008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.6	pg/g	JK	J	VJ,FDPA	
FD-44-08/19/2022	20429008	E1613B	TOTAL HpCDFs	959	pg/g	J	J	FDPR	
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.7	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	357	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.12	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.05	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.85	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.52	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.7	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.65	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.18	pg/g	BJ	U	MBL	
SIB-SC-C08-1-2-08192022	20429009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.32	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.29	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.71	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.5	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.5	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	pg/g		DNR	EXC	
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.02	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.55	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	Heptachlorodibenzo-P-Dioxin	723	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C08-1-2-08192022	20429009	E1613B	HEXACHLORODIBENZOFURAN	89.2	pg/g	J			✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	94.8	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	OCTACHLORODIBENZOFURAN	201	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3500	pg/g				✓
SIB-SC-C08-1-2-08192022	20429009	E1613B	PENTACHLORO DIBENZOFURAN	41.8	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.6	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.5	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.24	pg/g	JK	J	VJ	
SIB-SC-C08-1-2-08192022	20429009	E1613B	TOTAL HpCDFs	246	pg/g	JK	J	VJ	
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.64	pg/g	BJ	U	MBL	
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	8.22	pg/g				✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.493	pg/g	JK	J	VJ	
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.171	pg/g				✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.738	pg/g				✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	Heptachlorodibenzo-P-Dioxin	18.4	pg/g				✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	HEXACHLORODIBENZOFURAN	1.5	pg/g	J			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.54	pg/g	JK	J	VJ	
SIB-SC-C08-2-3-08192022	20429010	E1613B	OCTACHLORODIBENZOFURAN	3.08	pg/g	J			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	74.8	pg/g				✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	PENTACHLORO DIBENZOFURAN	0.599	pg/g	BJK	J	VJ	
SIB-SC-C08-2-3-08192022	20429010	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-2-3-08192022	20429010	E1613B	TOTAL HpCDFs	4.55	pg/g	BJ			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.25	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.6	pg/g				✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.523	pg/g	J			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.375	pg/g	JK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.646	pg/g	JK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.293	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.426	pg/g				✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.795	pg/g				✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	Heptachlorodibenzo-P-Dioxin	26	pg/g				✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	HEXACHLORODIBENZOFURAN	6.39	pg/g	JK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.85	pg/g	JK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	OCTACHLORODIBENZOFURAN	7.24	pg/g	J			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	105	pg/g				✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	PENTACHLORO DIBENZOFURAN	1.61	pg/g	BJK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.62	pg/g	JK	J	VJ	
SIB-SC-C08-3-4-08192022	20429011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.776	pg/g	J			✓
SIB-SC-C08-3-4-08192022	20429011	E1613B	TOTAL HpCDFs	16.9	pg/g	J			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.58	pg/g	BJ			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	28.9	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.402	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.262	pg/g	J			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.672	pg/g	J			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.476	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.24	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.611	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.908	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	Heptachlorodibenzo-P-Dioxin	61.4	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	HEXACHLORODIBENZOFURAN	5.7	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	OCTACHLORODIBENZOFURAN	12.2	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	259	pg/g				✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	PENTACHLORO DIBENZOFURAN	1.84	pg/g	BJK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.646	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C08-4-5-08192022	20429012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.548	pg/g	JK	J	VJ	
SIB-SC-C08-4-5-08192022	20429012	E1613B	TOTAL HpCDFs	15.1	pg/g	JK	J	VJ	
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.673	pg/g	BJ	U	MBL	
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.69	pg/g	J			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0662	pg/g				✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.415	pg/g				✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	Heptachlorodibenzo-P-Dioxin	9.24	pg/g	J			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	HEXACHLORODIBENZOFURAN	0.798	pg/g	J			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.79	pg/g	J			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	OCTACHLORODIBENZOFURAN	2.27	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C08-5-6-08192022	20429013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	39.5	pg/g				✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	PENTACHLORO DIBENZOFURAN	0.399	pg/g	BJK	J	VJ	
SIB-SC-C08-5-6-08192022	20429013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.246	pg/g	JK	J	VJ	
SIB-SC-C08-5-6-08192022	20429013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C08-5-6-08192022	20429013	E1613B	TOTAL HpCDFs	2.42	pg/g	BJ			✓
SIB-SC-C08-1-2-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.8	pg/g				✓
SIB-SC-C08-4-5-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.91	pg/g				✓
SIB-SC-C08-5-6-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.41	pg/g				✓
SIB-SC-C09-1-2-08/19/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.8	pg/g				✓
SIB-SC-C09-2-3-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	35.4	pg/g				✓
SIB-SC-C09-3-4-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.3	pg/g				✓
SIB-SC-C09-5-6-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.59	pg/g				✓
SIB-SC-C08-3-4-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.79	pg/g				✓
SIB-SC-C08-2-3-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.74	pg/g				✓
SIB-SC-C09-4-5-08192022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.8	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20430

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20430	SIB-SC-I03-0-1-08/19/2022	20430001	SE	✓
20430	SIB-SC-I03-1-2-08/19/2022	20430002	SE	✓
20430	SIB-SC-I03-2-3-08/19/2022	20430003	SE	✓
20430	SIB-SC-I03-3-4-08/19/2022	20430004	SE	✓
20430	SIB-SC-I03-4-5-08/19/2022	20430007	SE	✓
20430	SIB-SC-I03-5-6-08/19/2022	20430008	SE	✓
20430	FD-46-08/19/2022	20430009	SE	✓
20430	SIB-SC-J03-0-1-08/19/2022	20430010	SE	✓
20430	SIB-SC-J03-1-2-08/19/2022	20430011	SE	✓
20430	SIB-SC-J03-2-3-08/19/2022	20430012	SE	✓
20430	SIB-SC-J03-3-4-08/19/2022	20430013	SE	✓
20430	SIB-SC-J03-4-5-08/19/2022	20430014	SE	✓
20430	SIB-SC-J03-5-6-08/19/2022	20430015	SE	✓
20430	SIB-SC-K01-1-2-08/20/2022	20430016	SE	✓
20430	SIB-SC-K01-2-3-08/20/2022	20430017	SE	✓
20430	SIB-SC-K01-3-4-08/20/2022	20430018	SE	✓
20430	SIB-SC-K01-4-5-08/20/2022	20430019	SE	✓
20430	SIB-SC-K01-5-5.7-08/20/2022	20430020	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20430	18 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 1 sample, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 17 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples and results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-I03-0-1-08/19/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-I03-1-2-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
SIB-SC-I03-2-3-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
SIB-SC-I03-3-4-08/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	U-MBL
SIB-SC-I03-4-5-08/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	U-MBL
SIB-SC-I03-5-6-08/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	U-MBL
FD-46-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
SIB-SC-J03-3-4-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-J03-4-5-08/19/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-J03-5-6-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-K01-1-2-08/20/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-K01-3-4-08/20/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL
	1,2,3,7,8-PENTACHLORODIBENZOFURAN	U-MBL
SIB-SC-K01-5-5.7-08/20/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB08-08212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-I03-3-4-08/19/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	170	160	OK	J-MSH

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-I03-3-4-08/19/2022 & FD-46-08/19/2022, was submitted. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
OCDD	DIFFERENCE	J-FDPA
Total HpCDD	DIFFERENCE	J-FDPA
Total HpCDF	DIFFERENCE	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated

positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.5	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	45.1	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.23	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.4	pg/g	BJ			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.56	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.912	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.452	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.32	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.12	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.05	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.58	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	Heptachlorodibenzo-P-Dioxin	121	pg/g	J			✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	HEXACHLORODIBENZOFURAN	30.9	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	18.5	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	OCTACHLORODIBENZOFURAN	67.4	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	758	pg/g				✓
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	PENTACHLORO DIBENZOFURAN	22.5	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.5	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.39	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.42	pg/g	JK	J	VJ	
SIB-SC-103-0-1-08/19/2022	20430001	E1613B	TOTAL HpCDFs	84.3	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.54	pg/g	J			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	11.7	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.43	pg/g	BJ	U	MBL	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.43	pg/g	J			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.516	pg/g	J			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.388	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.386	pg/g	J			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.432	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.882	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	Heptachlorodibenzo-P-Dioxin	30.4	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	HEXACHLORODIBENZOFURAN	5.98	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.98	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	OCTACHLORODIBENZOFURAN	10.6	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	172	pg/g				✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	PENTACHLORO DIBENZOFURAN	3.9	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.26	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.614	pg/g	J			✓
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.86	pg/g	JK	J	VJ	
SIB-SC-103-1-2-08/19/2022	20430002	E1613B	TOTAL HpCDFs	14.3	pg/g	J			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.29	pg/g	J			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.36	pg/g				✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.402	pg/g	BJ	U	MBL	
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.276	pg/g	JK	J	VJ	
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.212	pg/g				✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.784	pg/g				✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	Heptachlorodibenzo-P-Dioxin	19.5	pg/g				✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	HEXACHLORODIBENZOFURAN	3.83	pg/g	JK	J	VJ	
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.38	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	OCTACHLORODIBENZOFURAN	8.95	pg/g	J			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	115	pg/g				✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	PENTACHLORO DIBENZOFURAN	1.98	pg/g	BJ			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.376	pg/g	JK	J	VJ	
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.8	pg/g	JK	J	VJ	
SIB-SC-103-2-3-08/19/2022	20430003	E1613B	TOTAL HpCDFs	10.2	pg/g	J			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.63	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.43	pg/g	J			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0258	pg/g				✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.499	pg/g				✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	Heptachlorodibenzo-P-Dioxin	3.32	pg/g	J	J	FDPA	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	HEXACHLORODIBENZOFURAN	0.406	pg/g	BJ			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.2	pg/g	JK	J	VJ	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	OCTACHLORODIBENZOFURAN	0.984	pg/g	JK	J	VJ	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16.3	pg/g		J	FDPA,MSH	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	PENTACHLORO DIBENZOFURAN	0.388	pg/g	BJ			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.262	pg/g	JK	J	VJ	
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-3-4-08/19/2022	20430004	E1613B	TOTAL HpCDFs	1.31	pg/g	BJK	J	FDPA,VJ	
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.494	pg/g	BJ	U	MBL	
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.8	pg/g	J			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0274	pg/g				✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.54	pg/g				✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	Heptachlorodibenzo-P-Dioxin	5.14	pg/g	JK	J	VJ	
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.8	pg/g	JK	J	VJ	
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14.8	pg/g				✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.871	pg/g	JK	J	VJ	
SIB-SC-103-4-5-08/19/2022	20430007	E1613B	TOTAL HpCDFs	0.494	pg/g	BJ			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.47	pg/g	BJ	U	MBL	
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.77	pg/g	J			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0265	pg/g				✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.48	pg/g				✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	Heptachlorodibenzo-P-Dioxin	4.4	pg/g	J			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.58	pg/g	J			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.7	pg/g				✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.901	pg/g	JK	J	VJ	
SIB-SC-103-5-6-08/19/2022	20430008	E1613B	TOTAL HpCDFs	0.47	pg/g	BJ			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.12	pg/g	J			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.87	pg/g				✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.35	pg/g	BJK	UJ	MBL,VJ	
FD-46-08/19/2022	20430009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.408	pg/g	JK	J	VJ	
FD-46-08/19/2022	20430009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.24	pg/g				✓
FD-46-08/19/2022	20430009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.795	pg/g				✓
FD-46-08/19/2022	20430009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-46-08/19/2022	20430009	E1613B	Heptachlorodibenzo-P-Dioxin	23.2	pg/g		J	FDPA	
FD-46-08/19/2022	20430009	E1613B	HEXACHLORODIBENZOFURAN	5.19	pg/g	JK	J	VJ	
FD-46-08/19/2022	20430009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.97	pg/g	J			✓
FD-46-08/19/2022	20430009	E1613B	OCTACHLORODIBENZOFURAN	8.48	pg/g	J			✓
FD-46-08/19/2022	20430009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	138	pg/g		J	FDPA	
FD-46-08/19/2022	20430009	E1613B	PENTACHLORO DIBENZOFURAN	2.97	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20430009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.392	pg/g	J			✓
FD-46-08/19/2022	20430009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.67	pg/g	J			✓
FD-46-08/19/2022	20430009	E1613B	TETRACHLORODIBENSO-P-DIOXIN	1.54	pg/g	JK	J	VJ	
FD-46-08/19/2022	20430009	E1613B	TOTAL HpCDFs	12.7	pg/g	J	J	FDPA	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	104	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	536	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.78	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.94	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.61	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.7	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.52	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.23	pg/g	BJ			✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.47	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.17	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.57	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24.2	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	24.2	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.5	pg/g		DNR	EXC	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.49	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	5.19	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	Heptachlorodibenzo-P-Dioxin	1240	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	HEXACHLORODIBENZOFURAN	166	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	199	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	OCTACHLORODIBENZOFURAN	350	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7490	pg/g	E	J	ACR	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	PENTACHLORO DIBENZOFURAN	84.2	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.2	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	44.1	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.9	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20430010	E1613B	TOTAL HpCDFs	396	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	260	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	697	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.8	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.9	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.55	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.3	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.1	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.69	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.1	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.27	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.6	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.6	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.14	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.5	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.5	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3	pg/g		DNR	EXC	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.76	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.84	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	Heptachlorodibenzo-P-Dioxin	1700	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	HEXACHLORODIBENZOFURAN	327	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	259	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	OCTACHLORODIBENZOFURAN	664	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11600	pg/g	E	J	ACR	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	PENTACHLORO DIBENZOFURAN	183	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	49.6	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	66.8	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20430011	E1613B	TOTAL HpCDFs	872	pg/g	K	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	186	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	416	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.54	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.7	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.3	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.26	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.64	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.31	pg/g	BJ			✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.02	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.52	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.06	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.6	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.6	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.89	pg/g		DNR	EXC	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.22	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	Heptachlorodibenzo-P-Dioxin	1130	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	HEXACHLORODIBENZOFURAN	245	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	158	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	OCTACHLORODIBENZOFURAN	429	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7620	pg/g	E	J	ACR	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	PENTACHLORO DIBENZOFURAN	145	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	33.9	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	48.9	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.5	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20430012	E1613B	TOTAL HpCDFs	614	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.8	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	34.8	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.966	pg/g	BJ	U	MBL	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.26	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.701	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.447	pg/g	BJ	U	MBL	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.09	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.65	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.2	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	Heptachlorodibenzo-P-Dioxin	86.5	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	HEXACHLORODIBENZOFURAN	25.5	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	15.2	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	OCTACHLORODIBENZOFURAN	34.3	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	539	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	PENTACHLORO DIBENZOFURAN	21.6	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.61	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.14	pg/g	K	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.872	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20430013	E1613B	TOTAL HpCDFs	54	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	149	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	94.4	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.13	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.43	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.744	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.63	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.4	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.09	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.26	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.74	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.2	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.3	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.944	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.73	pg/g	K	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	Heptachlorodibenzo-P-Dioxin	270	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	HEXACHLORODIBENZOFURAN	172	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	47.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	OCTACHLORODIBENZOFURAN	110	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1820	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	PENTACHLORO DIBENZOFURAN	150	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	16.6	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.69	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20430014	E1613B	TOTAL HpCDFs	317	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38.4	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	23.9	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.875	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.985	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.29	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.34	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.428	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.436	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.6	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.33	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.78	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	Heptachlorodibenzo-P-Dioxin	67.8	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	HEXACHLORODIBENZOFURAN	44.1	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	13	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	OCTACHLORODIBENZOFURAN	28.5	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	465	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	PENTACHLORO DIBENZOFURAN	44.7	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.23	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	20.8	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.22	pg/g	K	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20430015	E1613B	TOTAL HpCDFs	83.2	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21.4	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	135	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.07	pg/g	BJ			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.822	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.54	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.46	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.66	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.778	pg/g	BJ	U	MBL	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.51	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.31	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	J			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.25	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.44	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.06	pg/g		DNR	EXC	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.03	pg/g	K	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	Heptachlorodibenzo-P-Dioxin	264	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	HEXACHLORODIBENZOFURAN	33	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	36.9	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	OCTACHLORODIBENZOFURAN	79.8	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1470	pg/g				✓
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	PENTACHLORO DIBENZOFURAN	18.1	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.64	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.6	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.29	pg/g	JK	J	VJ	
SIB-SC-K01-1-2-08/20/2022	20430016	E1613B	TOTAL HpCDFs	87.1	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	181	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	783	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.8	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.26	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.8	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.94	pg/g	J			✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.8	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.63	pg/g	J			✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.73	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.77	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.35	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31.6	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31.6	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.11	pg/g		DNR	EXC	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.35	pg/g	K	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.24	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	Heptachlorodibenzo-P-Dioxin	1770	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	HEXACHLORODIBENZOFURAN	264	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	268	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	OCTACHLORODIBENZOFURAN	451	pg/g				✓
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10300	pg/g	E	J	ACR	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	PENTACHLORO DIBENZOFURAN	141	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	52	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	61.7	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	24.6	pg/g	JK	J	VJ	
SIB-SC-K01-2-3-08/20/2022	20430017	E1613B	TOTAL HpCDFs	608	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	52.4	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.9	pg/g	BJ	U	MBL	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.47	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.12	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.427	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.934	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.567	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.68	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.24	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	Heptachlorodibenzo-P-Dioxin	145	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	HEXACHLORODIBENZOFURAN	20.7	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	25.8	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	OCTACHLORODIBENZOFURAN	47.3	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	819	pg/g				✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	PENTACHLORO DIBENZOFURAN	11.1	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	PENTACHLORODIBENZO-P-DIOXIN	5.1	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.87	pg/g	JK	J	VJ	
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.57	pg/g	J			✓
SIB-SC-K01-3-4-08/20/2022	20430018	E1613B	TOTAL HpCDFs	49.7	pg/g	J			✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	168	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	556	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.3	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.4	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.09	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	14.3	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.4	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.06	pg/g	J			✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.26	pg/g	BJ			✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.45	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.59	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.51	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.97	pg/g	K	DNR	EXC	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.88	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.67	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	Heptachlorodibenzo-P-Dioxin	1260	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	HEXACHLORODIBENZOFURAN	250	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	212	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	OCTACHLORODIBENZOFURAN	399	pg/g				✓
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8020	pg/g	E	J	ACR	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	PENTACHLORO DIBENZOFURAN	139	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	42.5	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	54.5	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.9	pg/g	JK	J	VJ	
SIB-SC-K01-4-5-08/20/2022	20430019	E1613B	TOTAL HpCDFs	545	pg/g	JK	J	VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.43	pg/g	BJ			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.01	pg/g				✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.292	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.312	pg/g	JK	J	VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.187	pg/g				✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.754	pg/g				✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	Heptachlorodibenzo-P-Dioxin	17.7	pg/g				✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	HEXACHLORODIBENZOFURAN	4.41	pg/g	JK	J	VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.61	pg/g	JK	J	VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	OCTACHLORODIBENZOFURAN	6.27	pg/g	J			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	103	pg/g				✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	PENTACHLORO DIBENZOFURAN	2.24	pg/g	BJK	J	VJ	
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K01-5-5.7-08/20/2022	20430020	E1613B	TOTAL HpCDFs	8.58	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20431

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20431	SIB-SC-L09-1-2-08/21/2022	20431001	SE	✓
20431	SIB-SC-L09-2-3-08/21/2022	20431002	SE	✓
20431	SIB-SC-L09-3-4-08/21/2022	20431003	SE	✓
20431	SIB-SC-L09-4-5-08/21/2022	20431004	SE	✓
20431	SIB-SC-L09-5-6-08/21/2022	20431005	SE	✓
20431	SIB-SC-L08-1-2-08/21/2022	20431006	SE	✓
20431	SIB-SC-L08-2-3-08/21/2022	20431007	SE	✓
20431	SIB-SC-L08-3-4-08/21/2022	20431008	SE	✓
20431	SIB-SC-L08-4-5-08/21/2022	20431009	SE	✓
20431	SIB-SC-L08-5-6-08/21/2022	20431010	SE	✓
20431	SIB-SC-L07-1-2-08/21/2022	20431011	SE	✓
20431	SIB-SC-L07-2-3-08/21/2022	20431012	SE	✓
20431	SIB-SC-L07-3-4-08/21/2022	20431015	SE	✓
20431	SIB-SC-L07-4-5-08/21/2022	20431016	SE	✓
20431	SIB-SC-L07-5-6-08/21/2022	20431017	SE	✓
20431	FD-49-08/21/2022	20431018	SE	✓
20431	SIB-SC-K07-1-2-08/21/2022	20431019	SE	✓
20431	SIB-SC-K07-2-3-08/21/2022	20431020	SE	✓
20431	SIB-SC-K07-3-4-08/21/2022	20431021	SE	✓
20431	SIB-SC-K07-4-5-08/21/2022	20431022	SE	✓
20431	SIB-SC-K07-5-6-08/21/2022	20431023	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20431	21 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 10 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 9 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples and results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER	BATCH
SIB-SC-L09-1-2-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51405
SIB-SC-L09-2-3-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51405
SIB-SC-L09-3-4-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L09-4-5-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L09-5-6-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L08-1-2-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
	1,2,3,6,7,8-HxCDF	U-MBL	
SIB-SC-L08-2-3-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
	1,2,3,6,7,8-HxCDF	U-MBL	
SIB-SC-L08-3-4-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L08-4-5-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L08-5-6-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L07-1-2-08/21/2022	1,2,3,6,7,8-HxCDF	U-MBL	51410
SIB-SC-L07-2-3-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L07-3-4-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L07-4-5-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
SIB-SC-L07-5-6-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410
	1,2,3,6,7,8-HxCDF	U-MBL	
FD-49-08/21/2022	1,2,3,6,7,8-HxCDF	U-MBL	51410
SIB-SC-K07-3-4-08/21/2022	1,2,3,6,7,8-HxCDF	U-MBL	51410
SIB-SC-K07-4-5-08/21/2022	1,2,3,6,7,8-HxCDF	U-MBL	51410
SIB-SC-K07-5-6-08/21/2022	1,2,3,4,6,7,8-HpCDF	U-MBL	51410

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB08-08212022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB08-08212022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field duplicates, SIB-SC-L07-1-2-08/21/2022 & FD-49-08/21/2022, was submitted. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDD	DIFFERENCE	J-FDPA
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HpCDF	DIFFERENCE	J-FDPA

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to field duplicate precision outliers as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.51	pg/g	BJ	U	MBL	
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.71	pg/g	J			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0626	pg/g				✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.449	pg/g				✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	Heptachlorodibenzo-P-Dioxin	7.57	pg/g	J			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	HEXACHLORODIBENZOFURAN	1.72	pg/g	BJ			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	J			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	OCTACHLORODIBENZOFURAN	3.16	pg/g	J			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	31.4	pg/g				✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	PENTACHLORO DIBENZOFURAN	1.5	pg/g	BJK	UJ	VJ	
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.447	pg/g	JK	J	VJ	
SIB-SC-L09-1-2-08/21/2022	20431001	E1613B	TOTAL HpCDFs	4.29	pg/g	J			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.885	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.5	pg/g	J			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.178	pg/g	BJK	J	VJ	
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0595	pg/g				✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.353	pg/g				✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	Heptachlorodibenzo-P-Dioxin	5.49	pg/g	J			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	HEXACHLORODIBENZOFURAN	1.16	pg/g	BJK	UJ	VJ	
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.02	pg/g	J			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	OCTACHLORODIBENZOFURAN	1.69	pg/g	J			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	24.4	pg/g				✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	PENTACHLORO DIBENZOFURAN	0.971	pg/g	BJK	UJ	VJ	
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-2-3-08/21/2022	20431002	E1613B	TOTAL HpCDFs	2.68	pg/g	BJK	J	VJ	
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.358	pg/g	BJ	U	MBL	
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.05	pg/g	J			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.18	pg/g	J			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0341	pg/g				✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.433	pg/g				✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	Heptachlorodibenzo-P-Dioxin	2.24	pg/g	J			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	HEXACHLORODIBENZOFURAN	0.18	pg/g	BJ			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.894	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6.78	pg/g	BJ			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.254	pg/g	J			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-3-4-08/21/2022	20431003	E1613B	TOTAL HpCDFs	0.62	pg/g	BJ			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.376	pg/g	BJ	U	MBL	
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.968	pg/g	J			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0151	pg/g				✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.546	pg/g				✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	Heptachlorodibenzo-P-Dioxin	2.12	pg/g	J			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.554	pg/g	JK	J	VJ	
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5.57	pg/g	BJ			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	PENTACHLORO DIBENZOFURAN	0.184	pg/g	BJK	J	VJ	
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-4-5-08/21/2022	20431004	E1613B	TOTAL HpCDFs	0.376	pg/g	BJ			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.284	pg/g	BJ	U	MBL	
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.798	pg/g	J			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0121	pg/g				✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.478	pg/g				✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	Heptachlorodibenzo-P-Dioxin	1.93	pg/g	J			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.454	pg/g	J			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4.36	pg/g	BJ			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L09-5-6-08/21/2022	20431005	E1613B	TOTAL HpCDFs	0.284	pg/g	BJ			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.02	pg/g	BJ	U	MBL	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	7.16	pg/g				✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.298	pg/g	J			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.198	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.169	pg/g				✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.599	pg/g				✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	Heptachlorodibenzo-P-Dioxin	14.7	pg/g				✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	HEXACHLORODIBENZOFURAN	2.12	pg/g	BJK	J	VJ	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.75	pg/g	J			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	OCTACHLORODIBENZOFURAN	6.53	pg/g	J			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	86	pg/g				✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	PENTACHLORO DIBENZOFURAN	0.958	pg/g	BJK	J	VJ	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.328	pg/g	JK	J	VJ	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.456	pg/g	JK	J	VJ	
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-1-2-08/21/2022	20431006	E1613B	TOTAL HpCDFs	6.46	pg/g	J			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.466	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.96	pg/g	J			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.278	pg/g	JK	J	VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.124	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0697	pg/g				✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.451	pg/g				✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	Heptachlorodibenzo-P-Dioxin	4.82	pg/g	J			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	HEXACHLORODIBENZOFURAN	0.618	pg/g	BJK	J	VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.67	pg/g	JK	J	VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	OCTACHLORODIBENZOFURAN	0.494	pg/g	J			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16.9	pg/g				✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.582	pg/g	JK	J	VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	TETRACHLORODIBENSO-P-DIOXIN	0.48	pg/g	JK	J	VJ	
SIB-SC-L08-2-3-08/21/2022	20431007	E1613B	TOTAL HpCDFs	0.702	pg/g	BJK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.46	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.58	pg/g	J			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.27	pg/g	JK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0515	pg/g				✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.45	pg/g				✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	Heptachlorodibenzo-P-Dioxin	4.46	pg/g	J			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	HEXACHLORODIBENZOFURAN	0.54	pg/g	BJK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.61	pg/g	JK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.4	pg/g				✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	PENTACHLORO DIBENZOFURAN	0.28	pg/g	BJK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.268	pg/g	JK	J	VJ	
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-3-4-08/21/2022	20431008	E1613B	TOTAL HpCDFs	0.46	pg/g	BJK	J	VJ	
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.396	pg/g	BJ	U	MBL	
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.24	pg/g	J			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.16	pg/g	JK	J	VJ	
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.024	pg/g				✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.358	pg/g				✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	Heptachlorodibenzo-P-Dioxin	3.56	pg/g	J			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	HEXACHLORODIBENZOFURAN	0.144	pg/g	BJK	J	VJ	
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.13	pg/g	J			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9.44	pg/g	J			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	PENTACHLORO DIBENZOFURAN	0.632	pg/g	BJK	J	VJ	
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-4-5-08/21/2022	20431009	E1613B	TOTAL HpCDFs	0.396	pg/g	BJ			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.416	pg/g	BJ	U	MBL	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.755	pg/g	JK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.232	pg/g	JK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0369	pg/g				✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.473	pg/g				✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	Heptachlorodibenzo-P-Dioxin	1.65	pg/g	JK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	HEXACHLORODIBENZOFURAN	0.446	pg/g	BJK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.823	pg/g	JK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6.65	pg/g	BJ			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	PENTACHLORO DIBENZOFURAN	0.452	pg/g	BJK	J	VJ	
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L08-5-6-08/21/2022	20431010	E1613B	TOTAL HpCDFs	0.416	pg/g	BJ			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.37	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	44.1	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.852	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.08	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.452	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.35	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.64	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.408	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.674	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.562	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.34	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.75	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.562	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	Heptachlorodibenzo-P-Dioxin	85.6	pg/g		J	FDPR	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	HEXACHLORODIBENZOFURAN	13.5	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	11.5	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	OCTACHLORODIBENZOFURAN	33.6	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	476	pg/g		J	FDPR	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	PENTACHLORO DIBENZOFURAN	8.52	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.8	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.23	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.514	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20431011	E1613B	TOTAL HpCDFs	35.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.578	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0329	pg/g				✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.534	pg/g				✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	Heptachlorodibenzo-P-Dioxin	5.04	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	HEXACHLORODIBENZOFURAN	0.21	pg/g	BJ			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.07	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	OCTACHLORODIBENZOFURAN	0.83	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20431012	E1613B	TOTAL HpCDFs	0.99	pg/g	BJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.588	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.4	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.142	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.226	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0604	pg/g				✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.403	pg/g				✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	Heptachlorodibenzo-P-Dioxin	3.19	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	HEXACHLORODIBENZOFURAN	0.446	pg/g	BJ			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.06	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	OCTACHLORODIBENZOFURAN	0.748	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	PENTACHLORO DIBENZOFURAN	0.512	pg/g	BJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20431015	E1613B	TOTAL HpCDFs	0.588	pg/g	BJK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.326	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.21	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.212	pg/g	JK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0402	pg/g				✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.468	pg/g				✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	Heptachlorodibenzo-P-Dioxin	3.59	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	HEXACHLORODIBENZOFURAN	0.396	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.3	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.2	pg/g				✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.232	pg/g	JK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.653	pg/g	JK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20431016	E1613B	TOTAL HpCDFs	0.326	pg/g	BJK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.396	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.906	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.162	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0313	pg/g				✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.424	pg/g				✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	Heptachlorodibenzo-P-Dioxin	2.81	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	HEXACHLORODIBENZOFURAN	0.35	pg/g	BJK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.586	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.02	pg/g	BJ			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	PENTACHLORO DIBENZOFURAN	0.256	pg/g	BJ			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20431017	E1613B	TOTAL HpCDFs	0.396	pg/g	BJ			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.01	pg/g				✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	24.6	pg/g		J	FDPA	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-49-08/21/2022	20431018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.488	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.732	pg/g	JK	J	VJ	
FD-49-08/21/2022	20431018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.356	pg/g	BJK	UJ	MBL,VJ	
FD-49-08/21/2022	20431018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.71	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.322	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.322	pg/g	JK	J	VJ	
FD-49-08/21/2022	20431018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.414	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.831	pg/g				✓
FD-49-08/21/2022	20431018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.14	pg/g				✓
FD-49-08/21/2022	20431018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.754	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	Heptachlorodibenzo-P-Dioxin	48.1	pg/g		J	FDPR	
FD-49-08/21/2022	20431018	E1613B	HEXACHLORODIBENZOFURAN	7.7	pg/g	JK	J	VJ	
FD-49-08/21/2022	20431018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.28	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	OCTACHLORODIBENZOFURAN	17.9	pg/g				✓
FD-49-08/21/2022	20431018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	271	pg/g		J	FDPR	
FD-49-08/21/2022	20431018	E1613B	PENTACHLORO DIBENZOFURAN	4.29	pg/g	J			✓
FD-49-08/21/2022	20431018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.31	pg/g	JK	J	VJ	
FD-49-08/21/2022	20431018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.01	pg/g	JK	J	VJ	
FD-49-08/21/2022	20431018	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-49-08/21/2022	20431018	E1613B	TOTAL HpCDFs	19.4	pg/g	J	J	FDPA	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	78.5	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	480	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.42	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.11	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.6	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.1	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.8	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.89	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.83	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.02	pg/g	JK	J	VJ	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.06	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.85	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.452	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.1	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.3	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.43	pg/g		DNR	EXC	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.94	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	Heptachlorodibenzo-P-Dioxin	884	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	HEXACHLORODIBENZOFURAN	122	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	127	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	OCTACHLORODIBENZOFURAN	308	pg/g				✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5480	pg/g	E	J	ACR	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	PENTACHLORO DIBENZOFURAN	46.6	pg/g	JK	J	VJ	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.9	pg/g	JK	J	VJ	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	27.9	pg/g	JK	J	VJ	
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.64	pg/g	J			✓
SIB-SC-K07-1-2-08/21/2022	20431019	E1613B	TOTAL HpCDFs	334	pg/g	J			✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	217	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1560	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	22.7	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.06	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.19	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	37.9	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.58	pg/g	J			✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.8	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.07	pg/g	J			✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.2	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.49	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.758	pg/g	J			✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	39.1	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	39.1	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.66	pg/g		DNR	EXC	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.06	pg/g	K	J	VJ	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.36	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	Heptachlorodibenzo-P-Dioxin	2830	pg/g	E	J	ACR	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	HEXACHLORODIBENZOFURAN	308	pg/g	JK	J	VJ	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	472	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	OCTACHLORODIBENZOFURAN	929	pg/g				✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	17500	pg/g	E	J	ACR	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	PENTACHLORO DIBENZOFURAN	91.3	pg/g	JK	J	VJ	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	78.7	pg/g	JK	J	VJ	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	43	pg/g	K	J	VJ	
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.4	pg/g	J			✓
SIB-SC-K07-2-3-08/21/2022	20431020	E1613B	TOTAL HpCDFs	992	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	18.7	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	183	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.3	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.14	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.386	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.458	pg/g	BJ	U	MBL	
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.23	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.342	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.886	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.308	pg/g	JK	J	VJ	
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.644	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.454	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.03	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.17	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.454	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	Heptachlorodibenzo-P-Dioxin	302	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	HEXACHLORODIBENZOFURAN	19.7	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	27.6	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	OCTACHLORODIBENZOFURAN	105	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2540	pg/g				✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	PENTACHLORO DIBENZOFURAN	5.21	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.97	pg/g	JK	J	VJ	
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.61	pg/g	J			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-3-4-08/21/2022	20431021	E1613B	TOTAL HpCDFs	87.9	pg/g	J			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.26	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	47.1	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.768	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.64	pg/g	J			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.4	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.18	pg/g	J			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.71	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.228	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.374	pg/g	J			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.07	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.53	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	Heptachlorodibenzo-P-Dioxin	91.9	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	HEXACHLORODIBENZOFURAN	9.34	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	14.8	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	OCTACHLORODIBENZOFURAN	30.9	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	587	pg/g				✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	PENTACHLORO DIBENZOFURAN	3.53	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.78	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.778	pg/g	JK	J	VJ	
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-4-5-08/21/2022	20431022	E1613B	TOTAL HpCDFs	30.9	pg/g	J			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.77	pg/g	BJ	U	MBL	
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9.52	pg/g				✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.282	pg/g	JK	J	VJ	
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.172	pg/g				✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.652	pg/g				✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	Heptachlorodibenzo-P-Dioxin	19.6	pg/g				✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	HEXACHLORODIBENZOFURAN	1.81	pg/g	BJ			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.66	pg/g	JK	J	VJ	
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	OCTACHLORODIBENZOFURAN	6.57	pg/g	J			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	97.7	pg/g				✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	PENTACHLORO DIBENZOFURAN	0.606	pg/g	BJK	J	VJ	
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.392	pg/g	JK	J	VJ	
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-K07-5-6-08/21/2022	20431023	E1613B	TOTAL HpCDFs	6.86	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20432

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20432	SIB-SC-L06-1-2-08212022	20432001	SE	✓
20432	SIB-SC-L06-2-3-08212022	20432002	SE	✓
20432	SIB-SC-L06-3-4-08212022	20432003	SE	✓
20432	SIB-SC-L06-4-5-08212022	20432004	SE	✓
20432	SIB-SC-L06-5-6-08212022	20432005	SE	✓
20432	SIB-SC-R06-1-2-08222022	20432006	SE	✓
20432	SIB-SC-R06-2-3-08222022	20432007	SE	✓
20432	SIB-SC-R06-3-4-08222022	20432008	SE	✓
20432	SIB-SC-R06-4-5-08222022	20432009	SE	✓
20432	SIB-SC-R06-5-6-08222022	20432010	SE	✓
20432	SIB-SC-R04-1-2-08222022	20432011	SE	✓
20432	SIB-SC-R04-2-3-08222022	20432012	SE	✓
20432	SIB-SC-R04-3-4-08222022	20432013	SE	✓
20432	SIB-SC-R04-4-5-08222022	20432014	SE	✓
20432	SIB-SC-R04-5-6-08222022	20432015	SE	✓
20432	SIB-SC-R02-1-2-08222022	20432016	SE	✓
20432	SIB-SC-R02-2-3-08/22/2022	20432017	SE	✓
20432	SIB-SC-R02-3-4-08222022	20432018	SE	✓
20432	SIB-SC-R02-4-5-08222022	20432021	SE	✓
20432	SIB-SC-R02-5-6-08222022	20432022	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20432	20 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 19 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
1	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. OCDD was detected in the method blank; however, all sample results were greater than the action level; no qualifiers were assigned.

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB08-08212022 and EB09-08242022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDG 20283. EB08-08212022 and EB09-08242022 were not evaluated as SDG 20283 was not submitted to EcoChem for review.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

No field duplicates were submitted with this SDG.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

The laboratory P-flagged several results to indicate interference from diphenyl ether. These results were estimated (J-VJ).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD and MS/MSD RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and diphenyl ether interferences.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	43.8	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	294	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.34	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.69	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.35	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.33	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.71	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.766	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.1	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.29	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.61	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.04	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.8	pg/g		DNR	EXC	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.63	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.486	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	Heptachlorodibenzo-P-Dioxin	546	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	HEXACHLORODIBENZOFURAN	56.8	pg/g	J			
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.2	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	OCTACHLORODIBENZOFURAN	176	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3650	pg/g				
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	PENTACHLORO DIBENZOFURAN	19.4	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.3	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.58	pg/g	JK	J	VJ	
SIB-SC-L06-1-2-08/21/2022	20432001	E1613B	TOTAL HpCDFs	192	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	185	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	764	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.7	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	13.1	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.17	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.7	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.8	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.19	pg/g	J			
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.4	pg/g				

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.86	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.52	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.34	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.05	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.5	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.5	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.82	pg/g		DNR	EXC	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.93	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.16	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	Heptachlorodibenzo-P-Dioxin	1530	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	HEXACHLORODIBENZOFURAN	256	pg/g	J			
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	209	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	OCTACHLORODIBENZOFURAN	516	pg/g				
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9110	pg/g	E	J	ACR	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	PENTACHLORO DIBENZOFURAN	96.1	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.1	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	78.6	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.8	pg/g	JK	J	VJ	
SIB-SC-L06-2-3-08/21/2022	20432002	E1613B	TOTAL HpCDFs	721	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	169	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	854	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.8	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.47	pg/g	J			
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.18	pg/g	K	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.6	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.82	pg/g	J			
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.5	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.72	pg/g	J			
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.7	pg/g	K	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.84	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.53	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	27.5	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	27.5	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.71	pg/g		DNR	EXC	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.29	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.43	pg/g				

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	Heptachlorodibenzo-P-Dioxin	1580	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	HEXACHLORODIBENZOFURAN	219	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	225	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	OCTACHLORODIBENZOFURAN	558	pg/g				
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9760	pg/g	E	J	ACR	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	PENTACHLORO DIBENZOFURAN	79.6	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	43.9	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	73.7	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13	pg/g	JK	J	VJ	
SIB-SC-L06-3-4-08/21/2022	20432003	E1613B	TOTAL HpCDFs	699	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.69	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	34.4	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.896	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.591	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.369	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.893	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.346	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.796	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.18	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.242	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	Heptachlorodibenzo-P-Dioxin	64.7	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	HEXACHLORODIBENZOFURAN	8.99	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	8.5	pg/g	J			
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	OCTACHLORODIBENZOFURAN	22.5	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	417	pg/g				
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	PENTACHLORO DIBENZOFURAN	2.43	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.64	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.47	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.769	pg/g	JK	J	VJ	
SIB-SC-L06-4-5-08/21/2022	20432004	E1613B	TOTAL HpCDFs	28.2	pg/g	JK	J	VJ	

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.03	pg/g	JK	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	6.2	pg/g	K	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0908	pg/g				
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.649	pg/g				
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	Heptachlorodibenzo-P-Dioxin	12.8	pg/g	K	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	HEXACHLORODIBENZOFURAN	1.27	pg/g	JK	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	JK	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	OCTACHLORODIBENZOFURAN	2.89	pg/g	JK	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	58.6	pg/g				
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	PENTACHLORO DIBENZOFURAN	0.241	pg/g	JK	J	VJ	
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.408	pg/g	J			
SIB-SC-L06-5-6-08/21/2022	20432005	E1613B	TOTAL HpCDFs	4.1	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14.5	pg/g				
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.647	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.285	pg/g				
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.782	pg/g				
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.273	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	Heptachlorodibenzo-P-Dioxin	30.8	pg/g				
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	HEXACHLORODIBENZOFURAN	4.05	pg/g	J			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.06	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	OCTACHLORODIBENZOFURAN	6.8	pg/g	J			
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	153	pg/g				
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	PENTACHLORO DIBENZOFURAN	2.69	pg/g	JKP	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.489	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.63	pg/g	JKP	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.808	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20432006	E1613B	TOTAL HpCDFs	9.75	pg/g	J			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.14	pg/g	J			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	11.3	pg/g				
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.166	pg/g				
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.832	pg/g				
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	Heptachlorodibenzo-P-Dioxin	21.9	pg/g				
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	HEXACHLORODIBENZOFURAN	2.67	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.14	pg/g	J			

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	OCTACHLORODIBENZOFURAN	4.58	pg/g	J			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	101	pg/g				
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	PENTACHLORO DIBENZOFURAN	1.58	pg/g	JKP	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.8	pg/g	JKP	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R06-2-3-08/22/2022	20432007	E1613B	TOTAL HpCDFs	7.59	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	31.5	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	157	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.78	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.51	pg/g	J			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.58	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.1	pg/g	J			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.13	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.33	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.735	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.04	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.11	pg/g	J			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.38	pg/g	J			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.72	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.77	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.69	pg/g		DNR	EXC	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.64	pg/g	K	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.666	pg/g	K	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	Heptachlorodibenzo-P-Dioxin	314	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	HEXACHLORODIBENZOFURAN	49.1	pg/g	J			
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	45.3	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	OCTACHLORODIBENZOFURAN	81.3	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1660	pg/g				
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	PENTACHLORO DIBENZOFURAN	22.1	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.49	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	20	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.92	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20432008	E1613B	TOTAL HpCDFs	113	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	28.3	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	207	pg/g				

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.16	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.76	pg/g	J			
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.95	pg/g	J			
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.56	pg/g	J			
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.936	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.63	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.82	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.47	pg/g	J			
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.94	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.54	pg/g		DNR	EXC	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.41	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.948	pg/g	K	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	Heptachlorodibenzo-P-Dioxin	372	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	HEXACHLORODIBENZOFURAN	40.3	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	70.8	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	OCTACHLORODIBENZOFURAN	100	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2230	pg/g				
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	PENTACHLORO DIBENZOFURAN	21.7	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.19	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20432009	E1613B	TOTAL HpCDFs	102	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	24.8	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	135	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.87	pg/g	J			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.8	pg/g	J			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.54	pg/g	J			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.06	pg/g	J			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.8	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.99	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.06	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.7	pg/g	J			
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.49	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.37	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.42	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.71	pg/g		DNR	EXC	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.72	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.743	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	Heptachlorodibenzo-P-Dioxin	266	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	HEXACHLORODIBENZOFURAN	42.3	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.2	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	OCTACHLORODIBENZOFURAN	49.1	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1390	pg/g				
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	PENTACHLORO DIBENZOFURAN	22.6	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.7	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	24.6	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.96	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20432010	E1613B	TOTAL HpCDFs	80.7	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	15	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	82.2	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.39	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.27	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.784	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.42	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.21	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.74	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.774	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.867	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.01	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.84	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.87	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.17	pg/g	K	DNR	EXC	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.39	pg/g	K	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.262	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	Heptachlorodibenzo-P-Dioxin	165	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	HEXACHLORODIBENZOFURAN	22.7	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31.8	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	OCTACHLORODIBENZOFURAN	41.7	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	967	pg/g				
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	PENTACHLORO DIBENZOFURAN	14.5	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.49	pg/g	J			
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.5	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.04	pg/g	JK	J	VJ	
SIB-SC-R04-1-2-08/22/2022	20432011	E1613B	TOTAL HpCDFs	49.2	pg/g	J			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	77.7	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	142	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.91	pg/g	J			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.9	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.61	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.72	pg/g	K	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.74	pg/g	J			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.04	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	8.27	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.54	pg/g	J			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.55	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.59	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.2	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.2	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.83	pg/g		DNR	EXC	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.71	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.765	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	Heptachlorodibenzo-P-Dioxin	316	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	HEXACHLORODIBENZOFURAN	96.4	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	49.1	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	OCTACHLORODIBENZOFURAN	111	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2200	pg/g				
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	PENTACHLORO DIBENZOFURAN	104	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.5	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	129	pg/g	J			
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.34	pg/g	JK	J	VJ	
SIB-SC-R04-2-3-08/22/2022	20432012	E1613B	TOTAL HpCDFs	204	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	54.6	pg/g				

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	97.6	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.47	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.08	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.733	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.6	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.28	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.17	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.87	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.88	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.8	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.95	pg/g	J			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.3	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.49	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.92	pg/g		DNR	EXC	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.08	pg/g	K	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	Heptachlorodibenzo-P-Dioxin	217	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	HEXACHLORODIBENZOFURAN	66.8	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	37.2	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	OCTACHLORODIBENZOFURAN	58.3	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1380	pg/g				
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	PENTACHLORO DIBENZOFURAN	80.7	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.35	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	123	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.04	pg/g	JK	J	VJ	
SIB-SC-R04-3-4-08/22/2022	20432013	E1613B	TOTAL HpCDFs	127	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	30.5	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	159	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.68	pg/g	J			
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.69	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.2	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.7	pg/g	J			
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.17	pg/g	J			

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.41	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.08	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.11	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.6	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.65	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.39	pg/g		DNR	EXC	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.74	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.78	pg/g	K	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	Heptachlorodibenzo-P-Dioxin	321	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	HEXACHLORODIBENZOFURAN	48.2	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	66.9	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	OCTACHLORODIBENZOFURAN	63.1	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1680	pg/g				
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	PENTACHLORO DIBENZOFURAN	35.7	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.2	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	41.9	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.55	pg/g	JK	J	VJ	
SIB-SC-R04-4-5-08/22/2022	20432014	E1613B	TOTAL HpCDFs	104	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38.1	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	201	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.47	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.33	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.35	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.23	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.13	pg/g	K	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.32	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.4	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.55	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.4	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.57	pg/g	J			
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.86	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.93	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.37	pg/g	K	DNR	EXC	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.34	pg/g	K	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.693	pg/g	K	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	Heptachlorodibenzo-P-Dioxin	403	pg/g				

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	HEXACHLORODIBENZOFURAN	55	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	69	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	OCTACHLORODIBENZOFURAN	87	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2520	pg/g				
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	PENTACHLORO DIBENZOFURAN	36.6	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	43.5	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.26	pg/g	JK	J	VJ	
SIB-SC-R04-5-6-08/22/2022	20432015	E1613B	TOTAL HpCDFs	125	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	51	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	296	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.93	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.14	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.28	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.22	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.5	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.88	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.19	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.25	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.06	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.7	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.2	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.3	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.9	pg/g		DNR	EXC	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.49	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.935	pg/g	K	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	Heptachlorodibenzo-P-Dioxin	606	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	HEXACHLORODIBENZOFURAN	71.3	pg/g	J			
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	108	pg/g	JK	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	OCTACHLORODIBENZOFURAN	110	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3110	pg/g				
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	PENTACHLORO DIBENZOFURAN	42.9	pg/g	JK	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.8	pg/g	JK	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	41.3	pg/g	JK	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.13	pg/g	JK	J	VJ	
SIB-SC-R02-1-2-08/22/2022	20432016	E1613B	TOTAL HpCDFs	162	pg/g	J			

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	25	pg/g		J	FDPA	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	138	pg/g		J	FDPR	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.95	pg/g	J			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.53	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.15	pg/g	J			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.41	pg/g				
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.64	pg/g	J			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.859	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.09	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.85	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.57	pg/g	J			
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.39	pg/g				
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.48	pg/g				
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.77	pg/g	K	DNR	EXC	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	pg/g				
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.954	pg/g	K	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	Heptachlorodibenzo-P-Dioxin	285	pg/g		J	FDPR	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	HEXACHLORODIBENZOFURAN	38.7	pg/g	JK	J	FDPA,VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	50.6	pg/g	J	J	FDPA	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	OCTACHLORODIBENZOFURAN	57.5	pg/g		J	FDPA	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1640	pg/g		J	FDPR	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	PENTACHLORO DIBENZOFURAN	14.2	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.4	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.4	pg/g	JK	J	FDPR,VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.93	pg/g	JK	J	VJ	
SIB-SC-R02-2-3-08/22/2022	20432017	E1613B	TOTAL HpCDFs	85.5	pg/g	J	J	FDPR	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	44.1	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	269	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.52	pg/g	J			
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.73	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.96	pg/g	J			
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.48	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.3	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.74	pg/g				

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.28	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.34	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.61	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.49	pg/g	J			
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.4	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.5	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.26	pg/g		DNR	EXC	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.16	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.983	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	Heptachlorodibenzo-P-Dioxin	539	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	HEXACHLORODIBENZOFURAN	62.7	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	82.2	pg/g	J			
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	OCTACHLORODIBENZOFURAN	125	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3620	pg/g				
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	PENTACHLORO DIBENZOFURAN	38.1	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.6	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	35	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.31	pg/g	JK	J	VJ	
SIB-SC-R02-3-4-08/22/2022	20432018	E1613B	TOTAL HpCDFs	156	pg/g	J			
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	107	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	552	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.08	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.36	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.73	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.24	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.8	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.22	pg/g	J			
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.23	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.27	pg/g	J			
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.3	pg/g	K	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.31	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.48	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.3	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.3	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.95	pg/g	K	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.88	pg/g		DNR	EXC	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.1	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	Heptachlorodibenzo-P-Dioxin	1170	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	HEXACHLORODIBENZOFURAN	155	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	147	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	OCTACHLORODIBENZOFURAN	292	pg/g				
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7750	pg/g	E	J	ACR	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	PENTACHLORO DIBENZOFURAN	95.6	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	29.9	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	107	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.4	pg/g	JK	J	VJ	
SIB-SC-R02-4-5-08/22/2022	20432021	E1613B	TOTAL HpCDFs	376	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	29.4	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	156	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.1	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.98	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.83	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.08	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	12.5	pg/g	P	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.684	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.98	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.73	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.46	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.46	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.966	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.643	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	Heptachlorodibenzo-P-Dioxin	351	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	HEXACHLORODIBENZOFURAN	67.2	pg/g	JKP	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43.1	pg/g	J			
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	OCTACHLORODIBENZOFURAN	73.5	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2330	pg/g				
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	PENTACHLORO DIBENZOFURAN	27.6	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.88	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.4	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.21	pg/g	JK	J	VJ	
SIB-SC-R02-5-6-08/22/2022	20432022	E1613B	TOTAL HpCDFs	106	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R02-1-2-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.6	pg/g				
SIB-SC-R02-2-3-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.7	pg/g				
SIB-SC-R02-3-4-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				
SIB-SC-R02-4-5-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.4	pg/g				
SIB-SC-R04-3-4-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.7	pg/g				
SIB-SC-R04-4-5-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.8	pg/g				
SIB-SC-R06-1-2-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.78	pg/g				
SIB-SC-R06-3-4-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7	pg/g				
SIB-SC-R06-4-5-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.7	pg/g				
SIB-SC-R04-1-2-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4	pg/g				
SIB-SC-R04-2-3-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.1	pg/g				
SIB-SC-R04-5-6-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.2	pg/g				
SIB-SC-R06-5-6-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.9	pg/g				
SIB-SC-R02-5-6-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.2	pg/g	A			
SIB-SC-R06-2-3-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.83	pg/g				
SIB-SC-R02-1-2-08/22/2022	Calc	CALC	SUM PCB CONGENERS	635000	pg/g				
SIB-SC-R02-2-3-08/22/2022	Calc	CALC	SUM PCB CONGENERS	163000	pg/g				
SIB-SC-R02-3-4-08/22/2022	Calc	CALC	SUM PCB CONGENERS	166000	pg/g				
SIB-SC-R02-4-5-08/22/2022	Calc	CALC	SUM PCB CONGENERS	251000	pg/g				
SIB-SC-R06-1-2-08/22/2022	Calc	CALC	SUM PCB CONGENERS	14500	pg/g				
SIB-SC-R06-3-4-08/22/2022	Calc	CALC	SUM PCB CONGENERS	42500	pg/g				
SIB-SC-R06-4-5-08/22/2022	Calc	CALC	SUM PCB CONGENERS	50800	pg/g				
SIB-SC-R06-5-6-08/22/2022	Calc	CALC	SUM PCB CONGENERS	52000	pg/g				
SIB-SC-R02-5-6-08/22/2022	Calc	CALC	SUM PCB CONGENERS	213000	pg/g				
SIB-SC-R06-2-3-08/22/2022	Calc	CALC	SUM PCB CONGENERS	8120	pg/g				



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20433

April 20, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2022).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20433	FD-50-08/22/2022	20433001	SE	✓
20433	SIB-SC-M05-1-2-08222022	20433002	SE	✓
20433	SIB-SC-M05-2-3-08222022	20433003	SE	✓
20433	SIB-SC-M05-3-4-08222022	20433004	SE	✓
20433	SIB-SC-M05-4-5-08222022	20433005	SE	✓
20433		20433006	SE	✓
20433	SIB-SC-M04-0-1-08232022	20433007	SE	✓
20433	SIB-SC-M04-1-2-08232022	20433008	SE	✓
20433	SIB-SC-M04-2-3-08232022	20433009	SE	✓
20433	SIB-SC-M04-3-4-08232022	20433010	SE	✓
20433	SIB-SC-M04-4-5-08232022	20433011	SE	✓
20433	SIB-SC-M04-5-6-08232022	20433012	SE	✓
20433	SIB-SC-N07-0-1-08242022	20433013	SE	✓
20433	SIB-SC-N07-1-2-08242022	20433014	SE	✓
20433	SIB-SC-N07-2-3-08242022	20433015	SE	✓
20433	SIB-SC-N07-3-3.6-08242022	20433016	SE	✓
20433	PSRM0159	20433017	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20433	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For fourteen samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 1 sample, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-50-08/22/2022	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-M05-2-3-08/22/2022	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-M04-0-1-08/23/2022	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-M04-2-3-08/23/2022	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-N07-0-1-08/24/2022	2,3,4,7,8-PeCDF	U-MBL
SIB-SC-N07-1-2-08/24/2022	2,3,4,7,8-PeCDF	U-MBL

Field Blanks

No field blank samples were submitted with this SDG.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample FD-50-08/22/2022 The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	705	682	OK	J-MSH
1,2,3,4,6,7,8-HpCDD	206	211	OK	J-MSH

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. For 1,2,3,7,8,9-HxCDF, the true value was less than the practical quantitation limit (PQL), and the lower control limit was less than the estimated detection limit (EDL). This analyte was reported as not detected at the EDL. This analyte was judged as within acceptance limits after a review of the raw data. All acceptance criteria were met.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-R02-2-3-08/22/2022 & FD-50-08/22/2022, were submitted. The parent sample was reported in SDG 20432. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	DIFFERENCE	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
OCDF	DIFFERENCE	J-FDPA
OCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HxCDF	DIFFERENCE	J-FDPA
Total HxCDD	DIFFERENCE	J-FDPA
Total TCDF	RPD	J-FDPR

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

The laboratory P-flagged several results to indicate interference from diphenyl ether. These results were estimated (J-VJ).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy outliers, field duplicate precision outliers, diphenyl ether interferences, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-50-08/22/2022	20433001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	10	pg/g		J	FDPA	
FD-50-08/22/2022	20433001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	55.2	pg/g		J	FDPR,MSH	
FD-50-08/22/2022	20433001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.682	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.475	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.75	pg/g	JK	J	VJ	
FD-50-08/22/2022	20433001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.442	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.586	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.848	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.725	pg/g	BJ	U	MBL	
FD-50-08/22/2022	20433001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.52	pg/g				✓
FD-50-08/22/2022	20433001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.62	pg/g				✓
FD-50-08/22/2022	20433001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.746	pg/g	J			✓
FD-50-08/22/2022	20433001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-50-08/22/2022	20433001	E1613B	Heptachlorodibenzo-P-Dioxin	112	pg/g		J	FDPR	
FD-50-08/22/2022	20433001	E1613B	HEXACHLORODIBENZOFURAN	17.4	pg/g	JK	J	FDPA,VJ	
FD-50-08/22/2022	20433001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	22.9	pg/g	JK	J	FDPA,VJ	
FD-50-08/22/2022	20433001	E1613B	OCTACHLORODIBENZOFURAN	22.5	pg/g		J	FDPA	
FD-50-08/22/2022	20433001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	626	pg/g		J	FDPR,MSH	
FD-50-08/22/2022	20433001	E1613B	PENTACHLORO DIBENZOFURAN	10.7	pg/g	JP	J	VJ	
FD-50-08/22/2022	20433001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.3	pg/g	JK	J	VJ	
FD-50-08/22/2022	20433001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.7	pg/g	JKP	J	FDPR,VJ	
FD-50-08/22/2022	20433001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.953	pg/g	JK	J	VJ	
FD-50-08/22/2022	20433001	E1613B	TOTAL HpCDFs	34.4	pg/g	J	J	FDPR	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	35.9	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	152	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.72	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.39	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.7	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.77	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.82	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.67	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.71	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.94	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.11	pg/g	J			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.31	pg/g	BJ			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.58	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.69	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.476	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	Heptachlorodibenzo-P-Dioxin	305	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	HEXACHLORODIBENZOFURAN	61.1	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	43.3	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	OCTACHLORODIBENZOFURAN	93.5	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1760	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	PENTACHLORO DIBENZOFURAN	27.2	pg/g	JKP	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.14	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.4	pg/g	JKP	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.57	pg/g	JK	J	VJ	
SIB-SC-M05-1-2-08/22/2022	20433002	E1613B	TOTAL HpCDFs	138	pg/g	JK	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	28.3	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	18.8	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.664	pg/g	J			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.52	pg/g	J			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.907	pg/g	J			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.569	pg/g	J			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.18	pg/g	JK	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.11	pg/g	BJ	U	MBL	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.51	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.89	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	Heptachlorodibenzo-P-Dioxin	55.5	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	HEXACHLORODIBENZOFURAN	26.7	pg/g	JK	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	11.8	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	OCTACHLORODIBENZOFURAN	16.2	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	375	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	PENTACHLORO DIBENZOFURAN	28.7	pg/g	JP	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.7	pg/g	JK	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	43.6	pg/g	JKP	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.58	pg/g	JK	J	VJ	
SIB-SC-M05-2-3-08/22/2022	20433003	E1613B	TOTAL HpCDFs	54.4	pg/g				✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.544	pg/g	J			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.686	pg/g	J			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0145	pg/g				✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.304	pg/g				✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	Heptachlorodibenzo-P-Dioxin	1.82	pg/g	J			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	HEXACHLORODIBENZOFURAN	0.397	pg/g	JK	J	VJ	
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.247	pg/g	JK	J	VJ	
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.34	pg/g	J			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	PENTACHLORO DIBENZOFURAN	0.69	pg/g	BJKP	J	VJ	
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.832	pg/g	JKP	J	VJ	
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-3-4-08/22/2022	20433004	E1613B	TOTAL HpCDFs	1.04	pg/g	J			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.284	pg/g	J			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.25	pg/g	J			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0195	pg/g				✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.269	pg/g				✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	Heptachlorodibenzo-P-Dioxin	3.53	pg/g	J			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	HEXACHLORODIBENZOFURAN	0.161	pg/g	J			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.975	pg/g	JK	J	VJ	
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.6	pg/g				✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.17	pg/g	JK	J	VJ	
SIB-SC-M05-4-5-08/22/2022	20433005	E1613B	TOTAL HpCDFs	0.284	pg/g	J			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0137	pg/g				✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.189	pg/g				✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.127	pg/g	J			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	Heptachlorodibenzo-P-Dioxin	0.844	pg/g	J			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.505	pg/g	JK	J	VJ	
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3.14	pg/g	J			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	PENTACHLORO DIBENZOFURAN	0.0965	pg/g	BJK	J	VJ	
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.345	pg/g	JK	J	VJ	
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.212	pg/g	J			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M05-5-6-08/22/2022	20433006	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	72	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.36	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.91	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.539	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.693	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.95	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.948	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.253	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.621	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.411	pg/g	BJ	U	MBL	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.91	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.27	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.593	pg/g	J			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	Heptachlorodibenzo-P-Dioxin	145	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	HEXACHLORODIBENZOFURAN	18.1	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	21.1	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	OCTACHLORODIBENZOFURAN	41.5	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	954	pg/g				✓
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	PENTACHLORO DIBENZOFURAN	6.67	pg/g	JKP	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.54	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.81	pg/g	JKP	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.09	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	20433007	E1613B	TOTAL HpCDFs	54.6	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	39.2	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	196	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.73	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.55	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.27	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.28	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.876	pg/g	JK	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.59	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.736	pg/g	JK	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.12	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.52	pg/g	BJ			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.23	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.53	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.79	pg/g	K	DNR	EXC	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.81	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.625	pg/g	K	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	Heptachlorodibenzo-P-Dioxin	379	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	HEXACHLORODIBENZOFURAN	57.1	pg/g	JK	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	51.8	pg/g	J			✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	OCTACHLORODIBENZOFURAN	105	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1970	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	PENTACHLORO DIBENZOFURAN	23.3	pg/g	JKP	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.69	pg/g	JK	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.4	pg/g	JKP	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.9	pg/g	JK	J	VJ	
SIB-SC-M04-1-2-08/23/2022	20433008	E1613B	TOTAL HpCDFs	134	pg/g	J			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	22.4	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	104	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.67	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.846	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.44	pg/g	J			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.99	pg/g	J			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.71	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.636	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.29	pg/g	J			✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.659	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.88	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.93	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	pg/g		DNR	EXC	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.04	pg/g	K	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.259	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	Heptachlorodibenzo-P-Dioxin	203	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	HEXACHLORODIBENZOFURAN	34.2	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	29.3	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	OCTACHLORODIBENZOFURAN	58.1	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1260	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	PENTACHLORO DIBENZOFURAN	13	pg/g	JKP	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.54	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11.7	pg/g	JKP	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.14	pg/g	JK	J	VJ	
SIB-SC-M04-2-3-08/23/2022	20433009	E1613B	TOTAL HpCDFs	90.2	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.2	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	68.7	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.17	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.946	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.869	pg/g	JK	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.79	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.25	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.819	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.98	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.45	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.56	pg/g		DNR	EXC	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	Heptachlorodibenzo-P-Dioxin	131	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	HEXACHLORODIBENZOFURAN	21	pg/g	JKP	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	20.1	pg/g	J			✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	OCTACHLORODIBENZOFURAN	33.8	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	858	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	PENTACHLORO DIBENZOFURAN	7.57	pg/g	JKP	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.44	pg/g	JK	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.78	pg/g	JKP	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.02	pg/g	JK	J	VJ	
SIB-SC-M04-3-4-08/23/2022	20433010	E1613B	TOTAL HpCDFs	52.4	pg/g	J			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	62.6	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	450	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.87	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.06	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.68	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.37	pg/g	J			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.8	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.65	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.1	pg/g	J			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.2	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.95	pg/g	BJ			✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.8	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.8	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.46	pg/g	K	DNR	EXC	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.08	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.68	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	Heptachlorodibenzo-P-Dioxin	864	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	HEXACHLORODIBENZOFURAN	88.5	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	121	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	OCTACHLORODIBENZOFURAN	202	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5410	pg/g	E	J	ACR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	PENTACHLORO DIBENZOFURAN	35.3	pg/g	JP	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.5	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.4	pg/g	JKP	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.87	pg/g	JK	J	VJ	
SIB-SC-M04-4-5-08/23/2022	20433011	E1613B	TOTAL HpCDFs	269	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	84.6	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	468	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.83	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.72	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.89	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.15	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.88	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.31	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.51	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.37	pg/g	JK	J	VJ	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.95	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.83	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.3	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.3	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.65	pg/g		DNR	EXC	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.11	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.08	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	Heptachlorodibenzo-P-Dioxin	884	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	HEXACHLORODIBENZOFURAN	121	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	105	pg/g	J			✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	OCTACHLORODIBENZOFURAN	279	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5560	pg/g	E	J	ACR	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	PENTACHLORO DIBENZOFURAN	54.8	pg/g	JKP	J	VJ	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	19.1	pg/g	JK	J	VJ	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	52.5	pg/g	JKP	J	VJ	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.94	pg/g	JK	J	VJ	
SIB-SC-M04-5-6-08/23/2022	20433012	E1613B	TOTAL HpCDFs	354	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	18.6	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	105	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.4	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.82	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.52	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.9	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.77	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.63	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.08	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.975	pg/g	BJ	U	MBL	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.92	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.99	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.75	pg/g		DNR	EXC	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.78	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.391	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	Heptachlorodibenzo-P-Dioxin	197	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	HEXACHLORODIBENZOFURAN	24.1	pg/g	J			✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	OCTACHLORODIBENZOFURAN	45.7	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1170	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	PENTACHLORO DIBENZOFURAN	13.6	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.16	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15.5	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.71	pg/g	JK	J	VJ	
SIB-SC-N07-0-1-08/24/2022	20433013	E1613B	TOTAL HpCDFs	57.3	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.4	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	149	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.09	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.12	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.642	pg/g	JK	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.72	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.74	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.417	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.924	pg/g	JK	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.53	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.42	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.85	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.596	pg/g	J			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	Heptachlorodibenzo-P-Dioxin	247	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	HEXACHLORODIBENZOFURAN	22.4	pg/g	JKP	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	31.6	pg/g	JK	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	OCTACHLORODIBENZOFURAN	73.9	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1730	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	PENTACHLORO DIBENZOFURAN	11.1	pg/g	JKP	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.28	pg/g	JK	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.7	pg/g	JKP	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.65	pg/g	JK	J	VJ	
SIB-SC-N07-1-2-08/24/2022	20433014	E1613B	TOTAL HpCDFs	75	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.73	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.72	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0424	pg/g				✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.262	pg/g				✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.123	pg/g	JK	J	VJ	
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	Heptachlorodibenzo-P-Dioxin	4.18	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	HEXACHLORODIBENZOFURAN	0.927	pg/g	JK	J	VJ	
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.973	pg/g	JK	J	VJ	
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	OCTACHLORODIBENZOFURAN	1.28	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	17.1	pg/g				✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	PENTACHLORO DIBENZOFURAN	1.41	pg/g	BJP	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.164	pg/g	J			✓
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.12	pg/g	JKP	J	VJ	
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.337	pg/g	JK	J	VJ	
SIB-SC-N07-2-3-08/24/2022	20433015	E1613B	TOTAL HpCDFs	1.76	pg/g	J			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.404	pg/g	JK	J	VJ	
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.22	pg/g	J			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0318	pg/g				✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.441	pg/g				✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	Heptachlorodibenzo-P-Dioxin	5.72	pg/g	J			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.432	pg/g	JK	J	VJ	
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	18.5	pg/g				✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N07-3-3.6-08/24/2022	20433016	E1613B	TOTAL HpCDFs	0.404	pg/g	JK	J	VJ	
SIB-SC-M04-0-1-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.3	pg/g				✓
SIB-SC-M04-2-3-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4	pg/g				✓
SIB-SC-M04-3-4-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.6	pg/g				✓
SIB-SC-M04-5-6-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.9	pg/g				✓
SIB-SC-M05-1-2-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.7	pg/g				✓
SIB-SC-M05-3-4-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-M05-4-5-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.27	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.8	pg/g				✓
SIB-SC-N07-2-3-08/24/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.26	pg/g				✓
SIB-SC-M05-2-3-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.9	pg/g				✓
SIB-SC-M05-5-6-08/22/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.19	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.3	pg/g				✓
SIB-SC-M04-4-5-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.3	pg/g				✓
SIB-SC-M04-1-2-08/23/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.7	pg/g				✓
SIB-SC-N07-3-3.6-08/24/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.44	pg/g				✓
SIB-SC-N07-1-2-08/24/2022	Calc	CALC	SUM PCB CONGENERS	870000	pg/g				✓
SIB-SC-N07-2-3-08/24/2022	Calc	CALC	SUM PCB CONGENERS	3250	pg/g				✓
SIB-SC-N07-0-1-08/24/2022	Calc	CALC	SUM PCB CONGENERS	247000	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20434

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of full review (EPA Stage 4) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20434	SIB-SC-N00-1-2-08252022	20434001	SE	✓
20434	SIB-SC-N00-2-3-08252022	20434002	SE	✓
20434	SIB-SC-N00-3-4-08252022	20434003	SE	✓
20434	SIB-SC-N00-4-5-08252022	20434004	SE	✓
20434	SIB-SC-N00-5-6-08252022	20434005	SE	✓
20434	SIB-SC-N00-6-7-08252022	20434006	SE	✓
20434	SIB-SC-N00-7-8-08252022	20434007	SE	✓
20434	SIB-SC-N00-8-9-08252022	20434008	SE	✓
20434	SIB-SC-N00-9-10-08252022	20434009	SE	✓
20434	SIB-SC-N00-10-11-08252022	20434010	SE	✓
20434	SIB-SC-N00-11-12-08252022	20434011	SE	✓
20434	SIB-SC-N00-12-13-08252022	20434012	SE	✓
20434	SIB-SC-N00-13-14-08252022	20434013	SE	✓
20434	SIB-SC-N00-14-15-08252022	20434014	SE	✓
20434	SIB-SC-O04-1-2-08252022	20434015	SE	✓
20434	SIB-SC-O04-2-3-08252022	20434016	SE	✓
20434	SIB-SC-O04-3-4-08252022	20434017	SE	✓
20434	SIB-SC-O04-4-5-08252022	20434018	SE	✓
20434	SIB-SC-O04-5-6-08252022	20434019	SE	✓
20434	SIB-SC-N05-1-2-09012022	20434020	SE	✓
20434	SIB-SC-N05-2-3-09012022	20434021	SE	✓
20434	SIB-SC-N05-3-4-09012022	20434022	SE	✓
20434	SIB-SC-N05-4-5-09012022	20434023	SE	✓
20434	SIB-SC-N05-5-6-09012022	20434024	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory quality control (QC) samples. All data received a full level of review (EPA Stage 4). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20434	24 Sediment	Stage 4

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For all samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	✓	Laboratory Control Samples (LCS/LCSD)
✓	System Performance and Resolution Checks	1	Certified Reference Material
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Calibration Verification (CCAL)	✓	Target Analyte List
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Compound Identification
✓	Labeled Compound Recovery	2	Compound Quantitation
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification:

There was a positive result for 1,2,3,4,6,7,8-HpCDF for the method blank from batch 51432. Positive results for this analyte in Samples SIB-SC-N05-5-6-09/01/2022 and SIB-SC-N05-4-5-09012022 were qualified as not detected (U-MBL).

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB09-08242022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20283. EB09-08242022 was not evaluated as SDG 20283 was not submitted to EcoChem for review.

Equipment blank EB10-09052022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20342. EB10-09052022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

For Extraction Batch 51429, the MS/MSD analyses were performed using Sample SIB-SC-N00-1-2-08/25/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	537	415	20.6	J-MSH, MSP
1,2,3,4,6,7,8-HpCDD	197	169	OK	J-MSH

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

No field duplicates were submitted with this SDG.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Calculation Verification

Calculation verifications were performed for this sample delivery group (SDG). No calculation or transcription errors were found.

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exception noted above, accuracy was acceptable, as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exception noted above, precision was also acceptable as indicated by the LCS/LCSD and MS/MSD.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD precision and accuracy outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.89	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	25.7	pg/g		J	MSH	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.552	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.527	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.27	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.77	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.537	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.243	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.821	pg/g				✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.4	pg/g				✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	Heptachlorodibenzo-P-Dioxin	51.9	pg/g				✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	HEXACHLORODIBENZOFURAN	7.51	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.89	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	OCTACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	244	pg/g		J	MSH,MSP	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	PENTACHLORO DIBENZOFURAN	3.77	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.602	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.23	pg/g	J			✓
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.973	pg/g	JK	J	VJ	
SIB-SC-N00-1-2-08/25/2022	20434001	E1613B	TOTAL HpCDFs	15.4	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.89	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	45.6	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.621	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.498	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.682	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.567	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.31	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.05	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.31	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.603	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.465	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.46	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.96	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.609	pg/g	J			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	Heptachlorodibenzo-P-Dioxin	90.4	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	HEXACHLORODIBENZOFURAN	12.3	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.9	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	OCTACHLORODIBENZOFURAN	22.8	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	449	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	PENTACHLORO DIBENZOFURAN	7.34	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.76	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.99	pg/g	JK	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.13	pg/g	K	J	VJ	
SIB-SC-N00-2-3-08/25/2022	20434002	E1613B	TOTAL HpCDFs	27.7	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	83	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.42	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.935	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.31	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.29	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.61	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.476	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.87	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.962	pg/g	J			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.86	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.2	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.49	pg/g	K	DNR	EXC	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.48	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	Heptachlorodibenzo-P-Dioxin	182	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	HEXACHLORODIBENZOFURAN	23.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41	pg/g	JK	J	VJ	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	OCTACHLORODIBENZOFURAN	39.5	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	943	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	PENTACHLORO DIBENZOFURAN	16.9	pg/g	JK	J	VJ	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.19	pg/g	JK	J	VJ	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.11	pg/g	JK	J	VJ	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.43	pg/g	K	J	VJ	
SIB-SC-N00-3-4-08/25/2022	20434003	E1613B	TOTAL HpCDFs	46.2	pg/g	J			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21.8	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	101	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.993	pg/g	J			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.41	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.97	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.15	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.638	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.878	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.33	pg/g	J			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.979	pg/g	J			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.54	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.86	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.1	pg/g		DNR	EXC	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.13	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	Heptachlorodibenzo-P-Dioxin	203	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	HEXACHLORODIBENZOFURAN	30.7	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	40.8	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	OCTACHLORODIBENZOFURAN	59.8	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1040	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	PENTACHLORO DIBENZOFURAN	15.7	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	6.85	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.04	pg/g	JK	J	VJ	
SIB-SC-N00-4-5-08/25/2022	20434004	E1613B	TOTAL HpCDFs	70.2	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	45.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	308	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.56	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.56	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.76	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.33	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.7	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.26	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.92	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.03	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.78	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.95	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	14.1	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.1	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.13	pg/g		DNR	EXC	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.61	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.964	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	Heptachlorodibenzo-P-Dioxin	581	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	HEXACHLORODIBENZOFURAN	77.2	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	154	pg/g	J			✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	OCTACHLORODIBENZOFURAN	141	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3130	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	PENTACHLORO DIBENZOFURAN	43.4	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	PENTACHLORODIBENZO-P-DIOXIN	22.6	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.6	pg/g	K	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.72	pg/g	JK	J	VJ	
SIB-SC-N00-5-6-08/25/2022	20434005	E1613B	TOTAL HpCDFs	158	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.8	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	189	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.38	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.44	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.66	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.93	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.691	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.79	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.811	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.4	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.96	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.26	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.29	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.54	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.97	pg/g		DNR	EXC	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.55	pg/g	K	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	Heptachlorodibenzo-P-Dioxin	364	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	HEXACHLORODIBENZOFURAN	46.6	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	77.3	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	OCTACHLORODIBENZOFURAN	84.2	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2040	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	PENTACHLORO DIBENZOFURAN	28	pg/g	J			✓
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.7	pg/g	JK	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.16	pg/g	K	J	VJ	
SIB-SC-N00-6-7-08/25/2022	20434006	E1613B	TOTAL HpCDFs	96.2	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	55.7	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	343	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.24	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.32	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.94	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.06	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.9	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.35	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.23	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.42	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.27	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.93	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.13	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.8	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.8	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.05	pg/g		DNR	EXC	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.22	pg/g	K	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.754	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	Heptachlorodibenzo-P-Dioxin	683	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	HEXACHLORODIBENZOFURAN	92	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	131	pg/g	J			✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	OCTACHLORODIBENZOFURAN	148	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3540	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	PENTACHLORO DIBENZOFURAN	51.5	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	PENTACHLORODIBENZO-P-DIOXIN	22.1	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	39.6	pg/g	K	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.2	pg/g	JK	J	VJ	
SIB-SC-N00-7-8-08/25/2022	20434007	E1613B	TOTAL HpCDFs	196	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	76.5	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	432	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.46	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.33	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.25	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.08	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.5	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.6	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.42	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.96	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.44	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.67	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.9	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.9	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.63	pg/g	K	DNR	EXC	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.49	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.14	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	Heptachlorodibenzo-P-Dioxin	841	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	HEXACHLORODIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	160	pg/g	J			✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	OCTACHLORODIBENZOFURAN	218	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4860	pg/g	E	J	ACR	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	PENTACHLORO DIBENZOFURAN	64.6	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	PENTACHLORODIBENZO-P-DIOXIN	25.3	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.2	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.46	pg/g	JK	J	VJ	
SIB-SC-N00-8-9-08/25/2022	20434008	E1613B	TOTAL HpCDFs	263	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	45.4	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	236	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.56	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.84	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.13	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.26	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.3	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.16	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.64	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.42	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.43	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.4	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.73	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.14	pg/g		DNR	EXC	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.87	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	Heptachlorodibenzo-P-Dioxin	469	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	HEXACHLORODIBENZOFURAN	67.8	pg/g	J			✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	79.3	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	OCTACHLORODIBENZOFURAN	135	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2730	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	PENTACHLORO DIBENZOFURAN	37.2	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	14	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.7	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.16	pg/g	JK	J	VJ	
SIB-SC-N00-9-10-08/25/2022	20434009	E1613B	TOTAL HpCDFs	159	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	78.7	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	402	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.71	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.56	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.29	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.85	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16.8	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.15	pg/g	J			✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.98	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.93	pg/g	J			✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.44	pg/g	J			✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.53	pg/g	J			✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.74	pg/g	J			✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.4	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.4	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.46	pg/g		DNR	EXC	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.23	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.04	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	Heptachlorodibenzo-P-Dioxin	819	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	HEXACHLORODIBENZOFURAN	119	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	123	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	OCTACHLORODIBENZOFURAN	209	pg/g				✓
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4940	pg/g	E	J	ACR	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	PENTACHLORO DIBENZOFURAN	67.5	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	22.6	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	47.5	pg/g	K	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.4	pg/g	JK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	20434010	E1613B	TOTAL HpCDFs	267	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	91.4	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	390	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.74	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.93	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.1	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.15	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.4	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.89	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.21	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.02	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.55	pg/g	J			✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.06	pg/g	J			✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.51	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.7	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.7	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.52	pg/g	K	DNR	EXC	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.59	pg/g	K	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.05	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	Heptachlorodibenzo-P-Dioxin	855	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	HEXACHLORODIBENZOFURAN	139	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	143	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	OCTACHLORODIBENZOFURAN	194	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5000	pg/g	E	J	ACR	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	PENTACHLORO DIBENZOFURAN	91	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	27.5	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	96.1	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.7	pg/g	JK	J	VJ	
SIB-SC-N00-11-12-08/25/2022	20434011	E1613B	TOTAL HpCDFs	291	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27.5	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	122	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.46	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.68	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.14	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.57	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.3	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.501	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.914	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.19	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.15	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.95	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.25	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	Heptachlorodibenzo-P-Dioxin	324	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	HEXACHLORODIBENZOFURAN	45.2	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	51.9	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	OCTACHLORODIBENZOFURAN	85.6	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2080	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	PENTACHLORO DIBENZOFURAN	27.1	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.33	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.9	pg/g	J			✓
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.06	pg/g	JK	J	VJ	
SIB-SC-N00-12-13-08/25/2022	20434012	E1613B	TOTAL HpCDFs	101	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38.1	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	204	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.78	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.48	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.76	pg/g	JK	J	VJ	
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.62	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.9	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.19	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.12	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.859	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.52	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.39	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.52	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.94	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.94	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.705	pg/g	JK	J	VJ	
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.728	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	Heptachlorodibenzo-P-Dioxin	520	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	HEXACHLORODIBENZOFURAN	71.9	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.2	pg/g	JK	J	VJ	
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	OCTACHLORODIBENZOFURAN	134	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3310	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	PENTACHLORO DIBENZOFURAN	44.6	pg/g	JK	J	VJ	
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	PENTACHLORODIBENZO-P-DIOXIN	13.4	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	53	pg/g	JK	J	VJ	
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.21	pg/g	J			✓
SIB-SC-N00-13-14-08/25/2022	20434013	E1613B	TOTAL HpCDFs	152	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.93	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	38.8	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.04	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.705	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.55	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.03	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.888	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.518	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.39	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.93	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	Heptachlorodibenzo-P-Dioxin	99.3	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	HEXACHLORODIBENZOFURAN	14.1	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	OCTACHLORODIBENZOFURAN	26.8	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	700	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	PENTACHLORO DIBENZOFURAN	9.7	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	2.73	pg/g	JK	J	VJ	
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.7	pg/g	J			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N00-14-15-08/25/2022	20434014	E1613B	TOTAL HpCDFs	29.1	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.85	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	27.1	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.585	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.494	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.484	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.963	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.924	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.366	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.504	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.303	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.924	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.39	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.62	pg/g	J			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	Heptachlorodibenzo-P-Dioxin	54.8	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	HEXACHLORODIBENZOFURAN	7.95	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	7.74	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	OCTACHLORODIBENZOFURAN	15.6	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	278	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	PENTACHLORO DIBENZOFURAN	4.9	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.595	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.21	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.871	pg/g	JK	J	VJ	
SIB-SC-O04-1-2-08/25/2022	20434015	E1613B	TOTAL HpCDFs	18.5	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.3	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	32.9	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.685	pg/g	JK	J	VJ	
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.526	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.38	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.37	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.454	pg/g	JK	J	VJ	
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.456	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.358	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.33	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.68	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	Heptachlorodibenzo-P-Dioxin	65.5	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	HEXACHLORODIBENZOFURAN	8.33	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	9.16	pg/g	JK	J	VJ	
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	OCTACHLORODIBENZOFURAN	18.4	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	301	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	PENTACHLORO DIBENZOFURAN	5.27	pg/g	JK	J	VJ	
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	1.04	pg/g	JK	J	VJ	
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.43	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.794	pg/g	J			✓
SIB-SC-O04-2-3-08/25/2022	20434016	E1613B	TOTAL HpCDFs	20.6	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.9	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	70.2	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.11	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	J			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.11	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.19	pg/g	J			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.94	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.427	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.89	pg/g	J			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.848	pg/g	J			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.38	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.92	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.952	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	Heptachlorodibenzo-P-Dioxin	155	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	HEXACHLORODIBENZOFURAN	19.7	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	27.5	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	OCTACHLORODIBENZOFURAN	40.3	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	785	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	PENTACHLORO DIBENZOFURAN	13.3	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.35	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.97	pg/g	JK	J	VJ	
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.01	pg/g	J			✓
SIB-SC-O04-3-4-08/25/2022	20434017	E1613B	TOTAL HpCDFs	47.7	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14.2	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	71.6	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.05	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.976	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.974	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.83	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.43	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.752	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.952	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.8	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.19	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.45	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.944	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	Heptachlorodibenzo-P-Dioxin	147	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	HEXACHLORODIBENZOFURAN	21.4	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	28	pg/g	J			✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	OCTACHLORODIBENZOFURAN	39.8	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	765	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	PENTACHLORO DIBENZOFURAN	13.9	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.94	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.86	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.88	pg/g	JK	J	VJ	
SIB-SC-O04-4-5-08/25/2022	20434018	E1613B	TOTAL HpCDFs	47.2	pg/g	J			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.6	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	78.9	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.24	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.03	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.03	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.82	pg/g	J			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.352	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.931	pg/g	J			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.02	pg/g	J			✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.605	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.27	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.29	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.3	pg/g	K	DNR	EXC	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.31	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.575	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	Heptachlorodibenzo-P-Dioxin	167	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	HEXACHLORODIBENZOFURAN	20.2	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	39.4	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	OCTACHLORODIBENZOFURAN	37.5	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	903	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	PENTACHLORO DIBENZOFURAN	13.8	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.81	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.79	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.45	pg/g	JK	J	VJ	
SIB-SC-O04-5-6-08/25/2022	20434019	E1613B	TOTAL HpCDFs	42.7	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	71	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	76.3	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.88	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.97	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.75	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.35	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.03	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.762	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.51	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.77	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.705	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.19	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.58	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.84	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.9	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	Heptachlorodibenzo-P-Dioxin	182	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	HEXACHLORODIBENZOFURAN	76.1	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	35.3	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	OCTACHLORODIBENZOFURAN	62.2	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1210	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	PENTACHLORO DIBENZOFURAN	79.8	pg/g	J			✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.97	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	88.1	pg/g	JK	J	VJ	
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.09	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	20434020	E1613B	TOTAL HpCDFs	153	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	92.3	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	52.9	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.88	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.58	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.34	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.37	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.591	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.726	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.16	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.51	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.38	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.46	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.578	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.283	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	Heptachlorodibenzo-P-Dioxin	147	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	HEXACHLORODIBENZOFURAN	77.6	pg/g	JK	J	VJ	
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	HEXACHLORODIBENZO-P-DIOXIN	24.2	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	OCTACHLORODIBENZOFURAN	68.3	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	OCTACHLORODIBENZO-P-DIOXIN	989	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	PENTACHLORO DIBENZOFURAN	69.4	pg/g	JK	J	VJ	
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	PENTACHLORODIBENSO-P-DIOXIN	7.48	pg/g	J			✓
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	62.3	pg/g	JK	J	VJ	
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.74	pg/g	JK	J	VJ	
SIB-SC-N05-2-3-09/01/2022	20434021	E1613B	TOTAL HpCDFs	191	pg/g	J			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	28.3	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9.8	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.537	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.94	pg/g	J			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.519	pg/g	J			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.448	pg/g	J			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.839	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.362	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.966	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.37	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	Heptachlorodibenzo-P-Dioxin	25.5	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	HEXACHLORODIBENZOFURAN	18.3	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.12	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	OCTACHLORODIBENZOFURAN	15.7	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	OCTACHLORODIBENZO-P-DIOXIN	144	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	PENTACHLORO DIBENZOFURAN	8.93	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.97	pg/g	JK	J	VJ	
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-3-4-09/01/2022	20434022	E1613B	TOTAL HpCDFs	49.5	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.46	pg/g	BJK	UJ	MBL	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.4	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0226	pg/g				✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.41	pg/g				✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	Heptachlorodibenzo-P-Dioxin	3.96	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.705	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.3	pg/g				✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	PENTACHLORO DIBENZOFURAN	0.19	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.56	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.59	pg/g	JK	J	VJ	
SIB-SC-N05-4-5-09/01/2022	20434023	E1613B	TOTAL HpCDFs	0.46	pg/g	BJK	J	VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.269	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.706	pg/g	JK	J	VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0262	pg/g				✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.314	pg/g				✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.143	pg/g	J			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	Heptachlorodibenzo-P-Dioxin	2.33	pg/g	JK	J	VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.03	pg/g	JK	J	VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.23	pg/g	BJ			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.143	pg/g	J			✓
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.487	pg/g	JK	J	VJ	
SIB-SC-N05-5-6-09/01/2022	20434024	E1613B	TOTAL HpCDFs	0.269	pg/g	BJK	J	VJ	
SIB-SC-N00-10-11-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.3	pg/g				✓
SIB-SC-N00-1-2-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.4	pg/g				✓
SIB-SC-N00-12-13-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.3	pg/g				✓
SIB-SC-N00-14-15-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.9	pg/g				✓
SIB-SC-N00-2-3-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2	pg/g				✓
SIB-SC-N00-5-6-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.5	pg/g				✓
SIB-SC-N00-7-8-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.1	pg/g				✓
SIB-SC-N00-8-9-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.8	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-N05-1-2-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.8	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.4	pg/g				✓
SIB-SC-N05-4-5-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.41	pg/g				✓
SIB-SC-O04-1-2-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.4	pg/g				✓
SIB-SC-O04-3-4-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.9	pg/g				✓
SIB-SC-O04-4-5-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.4	pg/g				✓
SIB-SC-N00-3-4-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.4	pg/g				✓
SIB-SC-N00-6-7-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.7	pg/g				✓
SIB-SC-N00-9-10-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10	pg/g				✓
SIB-SC-N00-13-14-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.9	pg/g				✓
SIB-SC-N00-4-5-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.2	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.5	pg/g				✓
SIB-SC-N05-5-6-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.31	pg/g				✓
SIB-SC-N00-11-12-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16.3	pg/g				✓
SIB-SC-O04-2-3-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.7	pg/g				✓
SIB-SC-O04-5-6-08/25/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.4	pg/g				✓
SIB-SC-N05-1-2-09/01/2022	Calc	CALC	SUM PCB CONGENERS	66500	pg/g				✓
SIB-SC-N05-3-4-09/01/2022	Calc	CALC	SUM PCB CONGENERS	1440	pg/g				✓
SIB-SC-N05-4-5-09/01/2022	Calc	CALC	SUM PCB CONGENERS	1280	pg/g				✓
SIB-SC-N05-2-3-09/01/2022	Calc	CALC	SUM PCB CONGENERS	95900	pg/g				✓
SIB-SC-N05-5-6-09/01/2022	Calc	CALC	SUM PCB CONGENERS	1030	pg/g				✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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EcoChem Project: C28601-1

SDG: 20435

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20435	SIB-SC-J08-1-2-09012022	20435001	SE	✓
20435	SIB-SC-J08-2-3-09012022	20435002	SE	✓
20435	SIB-SC-J08-3-4-09012022	20435003	SE	✓
20435	SIB-SC-J08-4-5-09012022	20435004	SE	✓
20435	SIB-SC-E02-1-2-09022022	20435005	SE	✓
20435	SIB-SC-E02-2-3-09022022	20435006	SE	✓
20435	SIB-SC-E02-3-4-09022022	20435007	SE	✓
20435	SIB-SC-E02-4-5-09022022	20435008	SE	✓
20435	SIB-SC-G01-0-1-09022022	20435009	SE	✓
20435	SIB-SC-G01-1-2-09/02/2022	20435010	SE	✓
20435	SIB-SC-G01-2-3-09022022	20435011	SE	✓
20435	SIB-SC-G01-3-4-09022022	20435012	SE	✓
20435	SIB-SC-G01-4-5-09022022	20435013	SE	✓
20435	SIB-SC-G01-5-6-09022022	20435014	SE	✓
20435	FD-53-09/02/2022	20435015	SE	✓
20435	SIB-SC-D02-1-2-09032022	20435016	SE	✓
20435	SIB-SC-D02-2-3-09032022	20435017	SE	✓
20435	SIB-SC-D02-3-4-09032022	20435018	SE	✓
20435	SIB-SC-D02-4-5-09032022	20435019	SE	✓
20435	SIB-SC-D02-5-6-09032022	20435020	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20435	20 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 18 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

Sample SC-D02-5-6-09/03/2022 has incorrect sampling date as 9/2/22 on the chain-of-custody (COC).

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-G01-5-6-09/02/2022	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-D02-2-3-09/03/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-D02-3-4-09/03/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-D02-4-5-09/03/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-D02-5-6-09/03/2022	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB10-09052022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20342. EB10-09052022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-G01-2-3-09/02/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	OK	59	26.9	J-MSL,MSP
OCDD	Parent > 4x Spike Conc		40.6	J-MSP
1,2,3,4,6,7,8-HpCDF	Parent > 4x Spike Conc		28.9	J-MSP
OCDF	OK	44.2	36.3	J-MSL,MSP

Certified Reference Material

No SRM/CRM was submitted with this SDG.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-G01-1-2-09/02/2022 & FD-53-09/02/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable, as demonstrated by the LCS/LCSD, labeled compound, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	34.5	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	214	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.61	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.34	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.12	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.24	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.543	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.592	pg/g	JK	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.63	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.14	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.94	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.05	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.48	pg/g		DNR	EXC	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	pg/g	K	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.369	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	Heptachlorodibenzo-P-Dioxin	442	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	HEXACHLORODIBENZOFURAN	47.8	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	51.7	pg/g	J			✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	OCTACHLORODIBENZOFURAN	132	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2530	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	PENTACHLORO DIBENZOFURAN	12.9	pg/g	JK	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.15	pg/g	JK	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.45	pg/g	JK	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.04	pg/g	JK	J	VJ	
SIB-SC-J08-1-2-09/01/2022	20435001	E1613B	TOTAL HpCDFs	150	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	92.5	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	510	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.04	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.76	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.55	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.84	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.73	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.74	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.48	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.1	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	15.2	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.95	pg/g		DNR	EXC	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.65	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.799	pg/g	K	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	Heptachlorodibenzo-P-Dioxin	980	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	HEXACHLORODIBENZOFURAN	135	pg/g	J			✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	112	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	OCTACHLORODIBENZOFURAN	278	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4800	pg/g	E	J	ACR	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	PENTACHLORO DIBENZOFURAN	37.3	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.1	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21.5	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	17.1	pg/g	JK	J	VJ	
SIB-SC-J08-2-3-09/01/2022	20435002	E1613B	TOTAL HpCDFs	373	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.2	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	123	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.36	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.801	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.766	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.56	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.8	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.07	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.677	pg/g	J			✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.19	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.43	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.656	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.211	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	Heptachlorodibenzo-P-Dioxin	234	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	HEXACHLORODIBENZOFURAN	30.5	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	27.9	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	OCTACHLORODIBENZOFURAN	63.2	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1380	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	PENTACHLORO DIBENZOFURAN	8.13	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.84	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.62	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.3	pg/g	JK	J	VJ	
SIB-SC-J08-3-4-09/01/2022	20435003	E1613B	TOTAL HpCDFs	85.7	pg/g	J			✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	142	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	767	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.45	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.87	pg/g	J			✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.66	pg/g	K	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	18.4	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.91	pg/g	J			✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.9	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.52	pg/g	J			✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.61	pg/g	K	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.63	pg/g	K	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.36	pg/g	J			✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	22.9	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	22.9	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.79	pg/g		DNR	EXC	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.6	pg/g	K	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.09	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	Heptachlorodibenzo-P-Dioxin	1410	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	HEXACHLORODIBENZOFURAN	215	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	220	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	OCTACHLORODIBENZOFURAN	492	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8670	pg/g	E	J	ACR	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	PENTACHLORO DIBENZOFURAN	56.6	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	41.1	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.9	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	18	pg/g	JK	J	VJ	
SIB-SC-J08-4-5-09/01/2022	20435004	E1613B	TOTAL HpCDFs	601	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	219	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1790	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.2	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	18.4	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.37	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	57.7	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.45	pg/g	J			✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	22.5	pg/g	K	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	7.15	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.15	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	50.6	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	50.6	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.91	pg/g		DNR	EXC	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.18	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.83	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	Heptachlorodibenzo-P-Dioxin	3310	pg/g	E	J	ACR	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	HEXACHLORODIBENZOFURAN	382	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	434	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	OCTACHLORODIBENZOFURAN	612	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15300	pg/g	E	J	ACR	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	PENTACHLORO DIBENZOFURAN	157	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	77.4	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	92.7	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	34.4	pg/g	JK	J	VJ	
SIB-SC-E02-1-2-09/02/2022	20435005	E1613B	TOTAL HpCDFs	827	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	84.4	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	363	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.5	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	42.6	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.96	pg/g	J			✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.3	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.45	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.14	pg/g	K	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	15.7	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	24.7	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.7	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.7	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.28	pg/g	K	DNR	EXC	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.31	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.98	pg/g	K	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	Heptachlorodibenzo-P-Dioxin	719	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	HEXACHLORODIBENZOFURAN	223	pg/g	J			✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	90.3	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	OCTACHLORODIBENZOFURAN	224	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4130	pg/g	E	J	ACR	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	PENTACHLORO DIBENZOFURAN	156	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	52.1	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	109	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12	pg/g	JK	J	VJ	
SIB-SC-E02-2-3-09/02/2022	20435006	E1613B	TOTAL HpCDFs	313	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	50.9	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	148	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.52	pg/g	K	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.862	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.86	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.91	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.59	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.22	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	6.75	pg/g	K	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.957	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.41	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.06	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.06	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.2	pg/g		DNR	EXC	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.35	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.643	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	Heptachlorodibenzo-P-Dioxin	345	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	HEXACHLORODIBENZOFURAN	82.2	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	46.9	pg/g	J			✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	OCTACHLORODIBENZOFURAN	99.4	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2240	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	PENTACHLORO DIBENZOFURAN	58.7	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	13.8	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.4	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.12	pg/g	JK	J	VJ	
SIB-SC-E02-3-4-09/02/2022	20435007	E1613B	TOTAL HpCDFs	170	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	86.7	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	227	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.53	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.28	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.42	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.72	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.98	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.86	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.6	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.27	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.62	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.08	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.6	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	pg/g	K	DNR	EXC	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.32	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.699	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	Heptachlorodibenzo-P-Dioxin	555	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	HEXACHLORODIBENZOFURAN	117	pg/g	J			✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	74.3	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	OCTACHLORODIBENZOFURAN	146	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3450	pg/g				✓
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	PENTACHLORO DIBENZOFURAN	59.5	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.4	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	29.1	pg/g	JK	J	VJ	
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.93	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E02-4-5-09/02/2022	20435008	E1613B	TOTAL HpCDFs	265	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	108	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	292	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.67	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.72	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.99	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.39	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.05	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.23	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.39	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.73	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.44	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.57	pg/g	J			✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.6	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.6	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g	K	DNR	EXC	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.5	pg/g	K	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.89	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	Heptachlorodibenzo-P-Dioxin	638	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	HEXACHLORODIBENZOFURAN	126	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	83.7	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	OCTACHLORODIBENZOFURAN	228	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3600	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	PENTACHLORO DIBENZOFURAN	73	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	PENTACHLORODIBENZO-P-DIOXIN	19.1	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	38.7	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	15	pg/g	JK	J	VJ	
SIB-SC-G01-0-1-09/02/2022	20435009	E1613B	TOTAL HpCDFs	339	pg/g	J			✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	224	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	320	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.38	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.99	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.3	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.9	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.09	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.68	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.4	pg/g	J			✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.41	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	12.7	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.4	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.5	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.44	pg/g	K	DNR	EXC	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.74	pg/g	K	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.08	pg/g	K	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	Heptachlorodibenzo-P-Dioxin	730	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	HEXACHLORODIBENZOFURAN	247	pg/g	JK	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	103	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	OCTACHLORODIBENZOFURAN	387	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4430	pg/g	E	J	ACR	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	PENTACHLORO DIBENZOFURAN	191	pg/g	JK	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	35.1	pg/g	JK	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	99.5	pg/g	JK	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	31.7	pg/g	JK	J	VJ	
SIB-SC-G01-1-2-09/02/2022	20435010	E1613B	TOTAL HpCDFs	614	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	522	pg/g		J	MSP	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	121	pg/g		J	MSL,MSP	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.6	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.35	pg/g	K	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	27.5	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.84	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.82	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.18	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.28	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.51	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.87	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.4	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.4	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.16	pg/g	K	DNR	EXC	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.27	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.511	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	Heptachlorodibenzo-P-Dioxin	291	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	HEXACHLORODIBENZOFURAN	352	pg/g	JK	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	61.9	pg/g	JK	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	OCTACHLORODIBENZOFURAN	236	pg/g		J	MSL,MSP	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1700	pg/g		J	MSP	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	PENTACHLORO DIBENZOFURAN	162	pg/g	JK	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	18.9	pg/g	J			✓
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	69.6	pg/g	JK	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11	pg/g	JK	J	VJ	
SIB-SC-G01-2-3-09/02/2022	20435011	E1613B	TOTAL HpCDFs	926	pg/g	J			✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	602	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	245	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.22	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.39	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.65	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	26.9	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.86	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.27	pg/g	J			✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.33	pg/g	J			✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.12	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.77	pg/g	J			✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.5	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.5	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.921	pg/g	J			✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.369	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	Heptachlorodibenzo-P-Dioxin	641	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	HEXACHLORODIBENZOFURAN	364	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	113	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	OCTACHLORODIBENZOFURAN	338	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3830	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	PENTACHLORO DIBENZOFURAN	175	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	22.4	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	68.7	pg/g	JK	J	VJ	
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.99	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G01-3-4-09/02/2022	20435012	E1613B	TOTAL HpCDFs	1060	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	77.9	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	70	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.73	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.67	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.2	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.53	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.5	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.643	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.937	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.4	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.92	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.9	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.14	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.551	pg/g	JK	J	VJ	
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	Heptachlorodibenzo-P-Dioxin	196	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	HEXACHLORODIBENZOFURAN	61.5	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	36.8	pg/g	J			✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	OCTACHLORODIBENZOFURAN	49.4	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1210	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	PENTACHLORO DIBENZOFURAN	35.4	pg/g	JK	J	VJ	
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.61	pg/g	JK	J	VJ	
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18.4	pg/g	JK	J	VJ	
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.64	pg/g	JK	J	VJ	
SIB-SC-G01-4-5-09/02/2022	20435013	E1613B	TOTAL HpCDFs	152	pg/g	J			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.15	pg/g	BJ			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.78	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.216	pg/g	J			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.212	pg/g	JK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.107	pg/g				✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.399	pg/g				✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.19	pg/g	J			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	Heptachlorodibenzo-P-Dioxin	5.25	pg/g	JK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	HEXACHLORODIBENZOFURAN	1.42	pg/g	JK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.4	pg/g	JK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	OCTACHLORODIBENZOFURAN	1.64	pg/g	J			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	18.7	pg/g				✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	PENTACHLORO DIBENZOFURAN	0.623	pg/g	JK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.615	pg/g	BJK	J	VJ	
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.421	pg/g	BJ			✓
SIB-SC-G01-5-6-09/02/2022	20435014	E1613B	TOTAL HpCDFs	3.75	pg/g	J			✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	187	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	262	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.15	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.23	pg/g	K	J	VJ	
FD-53-09/02/2022	20435015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.02	pg/g	J			✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.1	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.1	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.65	pg/g	J			✓
FD-53-09/02/2022	20435015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.02	pg/g	K	J	VJ	
FD-53-09/02/2022	20435015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.26	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	11.3	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	16.7	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.1	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	pg/g		DNR	EXC	
FD-53-09/02/2022	20435015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.61	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-53-09/02/2022	20435015	E1613B	Heptachlorodibenzo-P-Dioxin	626	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-53-09/02/2022	20435015	E1613B	HEXACHLORODIBENZOFURAN	217	pg/g	JK	J	VJ	
FD-53-09/02/2022	20435015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	90.7	pg/g	J			✓
FD-53-09/02/2022	20435015	E1613B	OCTACHLORODIBENZOFURAN	325	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3830	pg/g				✓
FD-53-09/02/2022	20435015	E1613B	PENTACHLORO DIBENZOFURAN	167	pg/g	JK	J	VJ	
FD-53-09/02/2022	20435015	E1613B	PENTACHLORODIBENSO-P-DIOXIN	30.4	pg/g	JK	J	VJ	
FD-53-09/02/2022	20435015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	101	pg/g	JK	J	VJ	
FD-53-09/02/2022	20435015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.2	pg/g	K	J	VJ	
FD-53-09/02/2022	20435015	E1613B	TOTAL HpCDFs	518	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.79	pg/g	J			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	20.8	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.829	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.452	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.534	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.11	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.804	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	Heptachlorodibenzo-P-Dioxin	45.2	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	HEXACHLORODIBENZOFURAN	6.86	pg/g	J			✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.84	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	OCTACHLORODIBENZOFURAN	15.5	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	216	pg/g				✓
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	PENTACHLORO DIBENZOFURAN	2.3	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.762	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.19	pg/g	JK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.87	pg/g	BJK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	20435016	E1613B	TOTAL HpCDFs	19.9	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.535	pg/g	BJK	UJ	MBL,VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.43	pg/g	BJ			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0571	pg/g				✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.43	pg/g				✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.198	pg/g	JK	J	VJ	
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	Heptachlorodibenzo-P-Dioxin	5.88	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	HEXACHLORODIBENZOFURAN	0.313	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.09	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	OCTACHLORODIBENZOFURAN	1.37	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	24.2	pg/g				✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	PENTACHLORO DIBENZOFURAN	0.0947	pg/g	JK	J	VJ	
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.294	pg/g	J			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.198	pg/g	BJK	J	VJ	
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-2-3-09/03/2022	20435017	E1613B	TOTAL HpCDFs	1.7	pg/g	BJK	J	VJ	
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.23	pg/g	BJ	U	MBL	
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.949	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0147	pg/g				✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.255	pg/g				✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	Heptachlorodibenzo-P-Dioxin	2.17	pg/g	BJK	J	VJ	
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.286	pg/g	JK	J	VJ	
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9.58	pg/g	J			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-3-4-09/03/2022	20435018	E1613B	TOTAL HpCDFs	0.23	pg/g	BJ			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.392	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.43	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.159	pg/g	J			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0374	pg/g				✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.34	pg/g				✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	Heptachlorodibenzo-P-Dioxin	3.68	pg/g	BJK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	HEXACHLORODIBENZOFURAN	0.326	pg/g	JK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.02	pg/g	JK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11.2	pg/g				✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	PENTACHLORO DIBENZOFURAN	0.167	pg/g	JK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.239	pg/g	BJK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.583	pg/g	BJK	J	VJ	
SIB-SC-D02-4-5-09/03/2022	20435019	E1613B	TOTAL HpCDFs	0.392	pg/g	BJK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.326	pg/g	BJK	UJ	MBL,VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.54	pg/g	BJK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0504	pg/g				✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.31	pg/g				✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.123	pg/g	J			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	Heptachlorodibenzo-P-Dioxin	8.37	pg/g	JK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	HEXACHLORODIBENZOFURAN	0.171	pg/g	J			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.23	pg/g	JK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	OCTACHLORODIBENZOFURAN	1.03	pg/g	J			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	30.7	pg/g				✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	PENTACHLORO DIBENZOFURAN	0.0603	pg/g	JK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.229	pg/g	JK	J	VJ	
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.123	pg/g	BJ			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.406	pg/g	BJ			✓
SIB-SC-D02-5-6-09/03/2022	20435020	E1613B	TOTAL HpCDFs	0.882	pg/g	BJK	J	VJ	
SIB-SC-D02-1-2-09/03/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.1	pg/g				✓
SIB-SC-D02-3-4-09/03/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.26	pg/g				✓
SIB-SC-E02-1-2-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	46.8	pg/g				✓
SIB-SC-E02-2-3-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.1	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E02-4-5-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.8	pg/g				✓
SIB-SC-G01-0-1-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.7	pg/g				✓
SIB-SC-G01-1-2-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.6	pg/g				✓
SIB-SC-G01-3-4-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.5	pg/g				✓
SIB-SC-G01-5-6-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.4	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.2	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.4	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.7	pg/g				✓
SIB-SC-D02-4-5-09/03/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.34	pg/g				✓
SIB-SC-G01-4-5-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.1	pg/g				✓
SIB-SC-D02-2-3-09/03/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.43	pg/g				✓
SIB-SC-D02-5-6-09/03/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.31	pg/g				✓
SIB-SC-E02-3-4-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.4	pg/g				✓
SIB-SC-G01-2-3-09/02/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.5	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	Calc	CALC	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	14.1	pg/g				✓
SIB-SC-J08-1-2-09/01/2022	Calc	CALC	SUM PCB CONGENERS	154000	pg/g				✓
SIB-SC-J08-3-4-09/01/2022	Calc	CALC	SUM PCB CONGENERS	263000	pg/g				✓
SIB-SC-J08-4-5-09/01/2022	Calc	CALC	SUM PCB CONGENERS	3E+06	pg/g				✓
SIB-SC-J08-2-3-09/01/2022	Calc	CALC	SUM PCB CONGENERS	119000	pg/g				✓

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20436
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.10.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 8.21.2023

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-H01-0-1-09/03/2022	20436001	Sediment
SIB-SC-H01-1-2-09/03/2022	20436002	Sediment
SIB-SC-H01-2-3-09/03/2022	20436003	Sediment
SIB-SC-H01-3-4-09/03/2022	20436004	Sediment
SIB-SC-H01-3-4-09/03/2022 MS	20436005	Sediment
SIB-SC-H01-3-4-09/03/2022 MSD	20436006	Sediment
SIB-SC-H01-4-5-09/03/2022	20436007	Sediment
SIB-SC-H01-5-6-09/03/2022	20436008	Sediment
FD-55-09/03/2022	20436009	Sediment
SIB-SC-B04-1-2-09/04/2022	20436010	Sediment
SIB-SC-B04-2-3-09/04/2022	20436011	Sediment
SIB-SC-B04-2-3-09/04/2022 MS	20436012	Sediment
SIB-SC-B04-2-3-09/04/2022 MSD	20436013	Sediment
SIB-SC-B04-3-4-09/04/2022	20436014	Sediment
SIB-SC-B04-4-5-09/04/2022	20436015	Sediment
SIB-SC-B04-5-6-09/04/2022	20436016	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – With the exception of several labeling discrepancies, which were resolved, all samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 1.26 pg/g of 1,2,3,4,6,7,8,9-OCDD, leading to a qualification limit of 6.3 pg/g. All detections in associated samples were above the qualification limit and no qualification is required.

Qualification: None required.

Rinsate Blanks – Rinse blank EB10-09/05/2022 (results reported in SDG 20342) is associated with all samples with results reported in this SDG. The rinsate blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 2.18 pg/L. This result is less than the concentration in the associated aqueous method blank and the detected OCDD in the rinse blank is due to aqueous preparation contamination, not field cross contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-H01-3-4-09/03/2022. The MS had a high %R for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8-HpCDF. RPDs for these three analytes were outside control limits as well. Results for these analytes in the parent sample should be qualified J-MSH,MSP.

An MS/MSD was performed using sample SIB-SC-B04-2-3-09/04/2022. The MS and/or MSD had a high %R for 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8-HpCDF. For 1,2,3,4,6,7,8,9-OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The 1,2,3,4,6,7,8-HpCDF result in the parent sample should be qualified J-MSH. All RPDs were within control limits.

***Qualification:* The 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8-HpCDF results for sample SIB-SC-H01-3-4-09/03/2022 are qualified J-MSH,MSP. The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-B04-2-3-09/04/2022 is qualified J-MSH.**

Field Duplicate – Sample FD-55-09/03/2022 is a field duplicate of sample SIB-SC-H01-2-3-09/03/2022. All results in this duplicate pair met precision criteria. Sample SIB-SC-B04-3-4-09/04/2022 is the parent sample of field duplicate FD-56-09/04/022 (results reported in SDG 20437). All results in this duplicate pair met precision criteria.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD result for 1 affected sample is qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- One OCDD result reported with a laboratory qualifier of E is qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-H01-0-1-09/03/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.41	JK	1.41	J	EMPC
SIB-SC-H01-0-1-09/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.02	K	1.02	DNR	EXC
SIB-SC-H01-0-1-09/03/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.788	K	0.788	J	EMPC
SIB-SC-H01-0-1-09/03/2022	OCTACHLORODIBENZO-P-DIOXIN	4350	E	4350	J	ACR
SIB-SC-H01-1-2-09/03/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.68	JK	2.68	J	EMPC
SIB-SC-H01-1-2-09/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.07		1.07	DNR	EXC
SIB-SC-H01-1-2-09/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.02	K	1.02	J	EMPC
SIB-SC-H01-2-3-09/03/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.84	JK	2.84	J	EMPC
SIB-SC-H01-2-3-09/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.16	JK	1.16	J	EMPC
SIB-SC-H01-2-3-09/03/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.37	JK	1.37	J	EMPC
SIB-SC-H01-2-3-09/03/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.14	JK	1.14	J	EMPC
SIB-SC-H01-3-4-09/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	20.7		20.7	J	MSH,MSP
SIB-SC-H01-3-4-09/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	13.2		13.2	J	MSH,MSP
SIB-SC-H01-3-4-09/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.654	JK	0.654	J	EMPC
SIB-SC-H01-3-4-09/03/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.3	JK	1.3	J	EMPC
SIB-SC-H01-3-4-09/03/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.788	JK	0.788	J	EMPC
SIB-SC-H01-3-4-09/03/2022	OCTACHLORODIBENZO-P-DIOXIN	233		233	J	MSH,MSP
SIB-SC-H01-4-5-09/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.26	JK	1.26	J	EMPC
SIB-SC-H01-4-5-09/03/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.02	JK	2.02	J	EMPC
SIB-SC-H01-5-6-09/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.385	JK	0.385	J	EMPC
SIB-SC-H01-5-6-09/03/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.516	JK	0.516	J	EMPC
SIB-SC-H01-5-6-09/03/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.275	JK	0.275	J	EMPC
FD-55-09/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.72	JK	4.72	J	EMPC
FD-55-09/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.792	JK	0.792	J	EMPC
FD-55-09/03/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.404	JK	0.404	J	EMPC
SIB-SC-B04-1-2-09/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.41	JK	3.41	J	EMPC
SIB-SC-B04-1-2-09/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.6	JK	1.6	J	EMPC
SIB-SC-B04-1-2-09/04/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.707	JK	0.707	J	EMPC
SIB-SC-B04-1-2-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.441	JK	0.441	J	EMPC

SIB-SC-B04-2-3-09/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	60.7		60.7	J	MSH
SIB-SC-B04-2-3-09/04/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.58	JK	0.58	J	EMPC
SIB-SC-B04-3-4-09/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.28	JK	1.28	J	EMPC
SIB-SC-B04-3-4-09/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.17	JK	3.17	J	EMPC
SIB-SC-B04-3-4-09/04/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.48	JK	0.48	J	EMPC
SIB-SC-B04-4-5-09/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.6	JK	2.6	J	EMPC
SIB-SC-B04-4-5-09/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.08	K	5.08	J	EMPC
SIB-SC-B04-4-5-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.01	K	1.01	J	EMPC
SIB-SC-B04-4-5-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.21	K	1.21	DNR	EXC
SIB-SC-B04-5-6-09/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	48.5	K	48.5	J	EMPC
SIB-SC-B04-5-6-09/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.5	K	9.5	J	EMPC
SIB-SC-B04-5-6-09/04/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.06	JK	1.06	J	EMPC
SIB-SC-B04-5-6-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09		1.09	DNR	EXC



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20437

May 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20437	FD-56-09/04/0222	20437001	SE	✓
20437	FD-57-09/05/2022	20437013	SE	✓
20437	SIB-SC-B05-0-1-09042022	20437002	SE	✓
20437	SIB-SC-B05-1-2-09042022	20437003	SE	✓
20437	SIB-SC-B05-2-3-09042022	20437004	SE	✓
20437	SIB-SC-B05-3-4-09042022	20437005	SE	✓
20437	SIB-SC-B05-4-5-09042022	20437006	SE	✓
20437	SIB-SC-B05-5-6-09042022	20437007	SE	✓
20437	SIB-SC-B06-0-1-09/05/2022	20437012	SE	✓
20437	SIB-SC-B07-0-1-09/05/2022	20437011	SE	✓
20437	SIB-SC-O07-1-2-09042022	20437008	SE	✓
20437	SIB-SC-O07-2-3-09042022	20437009	SE	✓
20437	SIB-SC-O07-3-4-09042022	20437010	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20437	13 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For nine (9) samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 1 sample, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-B05-0-1-09/04/2022	1,2,3,4,7,8-HxCDF	U-MBL
	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B05-2-3-09/04/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-B05-3-4-09/04/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B05-4-5-09/04/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-O07-2-3-09/04/2022	1,2,3,7,8-PeCDF	U-MBL
SIB-SC-O07-3-4-09/04/2022	1,2,3,4,6,7,8-HpCDF	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB10-09052022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20342. EB10-09052022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample FD-56-09/04/0222. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	--	58.8	21.4	J-MSL,MSP
1,2,3,4,6,7,8,9-OCDD	--	--	38.7	J-MSP
1,2,3,4,6,7,8-HpCDF	--	68.8	22.2	J-MSL,MSP

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. For 1,2,3,7,8,9-HxCDF, the true value was less than the practical quantitation limit (PQL), and the lower control limit was less than the estimated detection limit (EDL). This analyte was reported as not detected at the EDL. This analyte was judged as within acceptance limits after a review of the raw data. The recovery value for 1,2,3,7,8,9-HxCDD was less than the lower control limit.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-B06-0-1-09/05/2022 & FD-57-09/05/2022, were submitted. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	RPD	J-FDPR
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,4,7,8-HxCDD	DIFFERENCE	J-FDPA
1,2,3,6,7,8-HxCDD	DIFFERENCE	J-FDPA
1,2,3,7,8,9-HxCDD	DIFFERENCE	J-FDPA
1,2,3,7,8-PeCDD	DIFFERENCE	J-FDPA
2,3,7,8-TCDD	DIFFERENCE	J-FDPA
Total HpCDF	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
OCDF	RPD	J-FDPR
OCDD	RPD	J-FDPR
Total PeCDF	DIFFERENCE	J-FDPA
Total PeCDD	DIFFERENCE	J-FDPA
Total TCDF	DIFFERENCE	J-FDPA
Total HpCDD	RPD	J-FDPR

FD-56-09/04/0222 was also submitted, however; parent sample SIB-SC-B04-3-4-09042022 was not available for review. No data were qualified.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

The laboratory P-flagged several results to indicate interference from diphenyl ether. These results were estimated (J-VJ).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, diphenyl ether interferences, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-56-09/04/0222	20437001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	93.1	pg/g		J	MSL,MSP	
FD-56-09/04/0222	20437001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	129	pg/g		J	MSL,MSP	
FD-56-09/04/0222	20437001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.96	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.37	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	7.26	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.81	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.53	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.9	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.37	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.65	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.34	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.61	pg/g	J			✓
FD-56-09/04/0222	20437001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.34	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.34	pg/g	K	DNR	EXC	
FD-56-09/04/0222	20437001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.502	pg/g	K	J	VJ	
FD-56-09/04/0222	20437001	E1613B	Heptachlorodibenzo-P-Dioxin	343	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	HEXACHLORODIBENZOFURAN	108	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	52.6	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	OCTACHLORODIBENZOFURAN	125	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2440	pg/g		J	MSP	
FD-56-09/04/0222	20437001	E1613B	PENTACHLORO DIBENZOFURAN	57.8	pg/g	JKP	J	VJ	
FD-56-09/04/0222	20437001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.3	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	123	pg/g	JKP	J	VJ	
FD-56-09/04/0222	20437001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.5	pg/g	JK	J	VJ	
FD-56-09/04/0222	20437001	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	9.34	pg/g				✓
FD-56-09/04/0222	20437001	E1613B	TOTAL HpCDFs	246	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	29.7	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.594	pg/g	BJ	U	MBL	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.374	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.812	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.397	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.228	pg/g	BJ	U	MBL	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.258	pg/g	J			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.321	pg/g	J			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.784	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	Heptachlorodibenzo-P-Dioxin	61.9	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	HEXACHLORODIBENZOFURAN	6.31	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	6.58	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	OCTACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	318	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	PENTACHLORO DIBENZOFURAN	3.04	pg/g	JKP	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.867	pg/g	JK	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.03	pg/g	JKP	J	VJ	
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	1.08	pg/g				✓
SIB-SC-B05-0-1-09/04/2022	20437002	E1613B	TOTAL HpCDFs	13.5	pg/g	J			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.56	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.28	pg/g	BJK	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.405	pg/g	J			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.456	pg/g	JK	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.425	pg/g	J			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.359	pg/g	JK	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.59	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	Heptachlorodibenzo-P-Dioxin	22.7	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	HEXACHLORODIBENZOFURAN	9.85	pg/g	JK	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	3.19	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	OCTACHLORODIBENZOFURAN	8.38	pg/g	J			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	138	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	PENTACHLORO DIBENZOFURAN	4.52	pg/g	JKP	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.575	pg/g	J			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.02	pg/g	JKP	J	VJ	
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.906	pg/g				✓
SIB-SC-B05-1-2-09/04/2022	20437003	E1613B	TOTAL HpCDFs	23.4	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.83	pg/g	BJ			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.37	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.03	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.08	pg/g	BJ			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.556	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.239	pg/g	BJK	U	MBL	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.299	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.328	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.392	pg/g				✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.354	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	Heptachlorodibenzo-P-Dioxin	3.43	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	HEXACHLORODIBENZOFURAN	3.13	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.728	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	OCTACHLORODIBENZOFURAN	2.37	pg/g	J			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13.6	pg/g				✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	PENTACHLORO DIBENZOFURAN	3	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.25	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.611	pg/g	JK	J	VJ	
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.639	pg/g				✓
SIB-SC-B05-2-3-09/04/2022	20437004	E1613B	TOTAL HpCDFs	5.02	pg/g	J			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.27	pg/g	BJ	U	MBL	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.746	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0373	pg/g				✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.249	pg/g	JK	J	VJ	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	Heptachlorodibenzo-P-Dioxin	2.21	pg/g	JK	J	VJ	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	HEXACHLORODIBENZOFURAN	0.219	pg/g	BJ			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.723	pg/g	J			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.52	pg/g	BJ			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	PENTACHLORO DIBENZOFURAN	0.573	pg/g	BJK	J	VJ	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.393	pg/g	JK	J	VJ	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.642	pg/g	JK	J	VJ	
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.403	pg/g	J			✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.272	pg/g				✓
SIB-SC-B05-3-4-09/04/2022	20437005	E1613B	TOTAL HpCDFs	0.27	pg/g	BJ			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.224	pg/g	BJK	U	MBL	
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.167	pg/g	J			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0483	pg/g				✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.236	pg/g	JK	J	VJ	
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	Heptachlorodibenzo-P-Dioxin	4.4	pg/g	J			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	HEXACHLORODIBENZOFURAN	0.127	pg/g	BJ			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.77	pg/g	JK	J	VJ	
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19.3	pg/g				✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.522	pg/g	J			✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.727	pg/g	JK	J	VJ	
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.647	pg/g	JK	J	VJ	
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.258	pg/g				✓
SIB-SC-B05-4-5-09/04/2022	20437006	E1613B	TOTAL HpCDFs	0.334	pg/g	BJK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.895	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.186	pg/g				✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.195	pg/g	J			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.155	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	Heptachlorodibenzo-P-Dioxin	2.65	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	J			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8.36	pg/g	BJ			✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	PENTACHLORO DIBENZOFURAN	0.0704	pg/g	BJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.306	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.455	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.883	pg/g	JK	J	VJ	
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.337	pg/g				✓
SIB-SC-B05-5-6-09/04/2022	20437007	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.9	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	416	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.99	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.8	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.99	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.3	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.63	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.19	pg/g	BJK	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.26	pg/g	JK	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.84	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.98	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.4	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.38	pg/g		DNR	EXC	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.93	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.737	pg/g	K	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	Heptachlorodibenzo-P-Dioxin	746	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	HEXACHLORODIBENZOFURAN	68.4	pg/g	JK	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	112	pg/g	J			✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	OCTACHLORODIBENZOFURAN	169	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4540	pg/g	E	J	ACR	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	PENTACHLORO DIBENZOFURAN	29.6	pg/g	JKP	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	20.1	pg/g	JK	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	33.1	pg/g	JKP	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	12.3	pg/g	JK	J	VJ	
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	13.4	pg/g				✓
SIB-SC-O07-1-2-09/04/2022	20437008	E1613B	TOTAL HpCDFs	192	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	16.1	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	110	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.59	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.44	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.479	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.09	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.15	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.03	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.506	pg/g	BJ	U	MBL	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.671	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.504	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.57	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.953	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	Heptachlorodibenzo-P-Dioxin	179	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	HEXACHLORODIBENZOFURAN	18.1	pg/g	J			✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	28.2	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	OCTACHLORODIBENZOFURAN	62.9	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1330	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	PENTACHLORO DIBENZOFURAN	8.01	pg/g	JKP	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.54	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.85	pg/g	JKP	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.36	pg/g	JK	J	VJ	
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	3.69	pg/g				✓
SIB-SC-O07-2-3-09/04/2022	20437009	E1613B	TOTAL HpCDFs	59.8	pg/g	JK	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.32	pg/g	BJ	U	MBL	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.83	pg/g	J			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0942	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.185	pg/g	JK	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	Heptachlorodibenzo-P-Dioxin	11.8	pg/g	J			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	HEXACHLORODIBENZOFURAN	1.22	pg/g	BJ			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.95	pg/g	J			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	OCTACHLORODIBENZOFURAN	3.82	pg/g	J			✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	43.6	pg/g				✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	PENTACHLORO DIBENZOFURAN	1.41	pg/g	BJKP	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.61	pg/g	JK	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.44	pg/g	JKP	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.295	pg/g	JK	J	VJ	
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.389	pg/g				✓
SIB-SC-O07-3-4-09/04/2022	20437010	E1613B	TOTAL HpCDFs	4.28	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	73.6	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3530	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.03	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.83	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.54	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.09	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.4	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.79	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.87	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.45	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.15	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	51.5	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.8	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	Heptachlorodibenzo-P-Dioxin	7540	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	HEXACHLORODIBENZOFURAN	133	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	410	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	OCTACHLORODIBENZOFURAN	202	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	29000	pg/g	E	J	ACR	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	PENTACHLORO DIBENZOFURAN	37.8	pg/g	JKP	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.76	pg/g	JK	J	VJ	
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.6	pg/g	JKP	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.44	pg/g	J			✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	52.5	pg/g				✓
SIB-SC-B07-0-1-09/05/2022	20437011	E1613B	TOTAL HpCDFs	332	pg/g	J			✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	93.9	pg/g		J	FDPR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1900	pg/g		J	FDPR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.15	pg/g	K	J	VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	7.07	pg/g				✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.66	pg/g	JK	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.3	pg/g	J			✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.5	pg/g		J	FDPA	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.25	pg/g	J			✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.54	pg/g		J	FDPA	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.74	pg/g	BJK	J	VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.75	pg/g	K	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.18	pg/g	J			✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.49	pg/g	J			✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	35.7	pg/g				✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.48	pg/g		DNR	EXC	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.14	pg/g				✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.783	pg/g	K	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	Heptachlorodibenzo-P-Dioxin	3970	pg/g	E	J	FDPR,ACR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	HEXACHLORODIBENZOFURAN	149	pg/g	J	J	FDPR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	292	pg/g	JK	J	FDPR,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	OCTACHLORODIBENZOFURAN	264	pg/g		J	FDPR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16900	pg/g	E	J	FDPR,ACR	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	PENTACHLORO DIBENZOFURAN	47.7	pg/g	JK	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	24.4	pg/g	JK	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	41.9	pg/g	JK	J	FDPA,VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.87	pg/g	JK	J	VJ	
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	35.7	pg/g				✓
SIB-SC-B06-0-1-09/05/2022	20437012	E1613B	TOTAL HpCDFs	383	pg/g	JK	J	FDPR,VJ	
FD-57-09/05/2022	20437013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	268	pg/g		J	FDPR	
FD-57-09/05/2022	20437013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14200	pg/g		J	FDPR	
FD-57-09/05/2022	20437013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.4	pg/g	J			✓
FD-57-09/05/2022	20437013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	14.6	pg/g	J			✓
FD-57-09/05/2022	20437013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	30.2	pg/g	JK	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.42	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-57-09/05/2022	20437013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	138	pg/g		J	FDPA	
FD-57-09/05/2022	20437013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-57-09/05/2022	20437013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	49.5	pg/g	JK	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	6.91	pg/g	J			✓
FD-57-09/05/2022	20437013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	11.2	pg/g	J	J	FDPA	
FD-57-09/05/2022	20437013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.82	pg/g	J			✓
FD-57-09/05/2022	20437013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.9	pg/g	J			✓
FD-57-09/05/2022	20437013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	223	pg/g				✓
FD-57-09/05/2022	20437013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.2	pg/g	JK	J	VJ	
FD-57-09/05/2022	20437013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.97	pg/g	JK	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	Heptachlorodibenzo-P-Dioxin	30300	pg/g	E	J	FDPR,ACR	
FD-57-09/05/2022	20437013	E1613B	HEXACHLORODIBENZOFURAN	503	pg/g	JK	J	FDPR,VJ	
FD-57-09/05/2022	20437013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1800	pg/g	JK	J	FDPR,VJ	
FD-57-09/05/2022	20437013	E1613B	OCTACHLORODIBENZOFURAN	632	pg/g		J	FDPR	
FD-57-09/05/2022	20437013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	118000	pg/g	E	J	FDPR,ACR	
FD-57-09/05/2022	20437013	E1613B	PENTACHLORO DIBENZOFURAN	140	pg/g	JKP	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	49.5	pg/g	JK	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	39.7	pg/g	JKP	J	FDPA,VJ	
FD-57-09/05/2022	20437013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.64	pg/g	JK	J	VJ	
FD-57-09/05/2022	20437013	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	223	pg/g				✓
FD-57-09/05/2022	20437013	E1613B	TOTAL HpCDFs	1150	pg/g	J	J	FDPR	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20451

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of summary review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	EPA 1668C	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20451	SIB-SC-L03-1-2-07/27/2022	20451001	SE	✓
20451	SIB-SC-L03-2-3-07/27/2022	20451002	SE	✓
20451	FD-21-07/27/2022	20451003	SE	✓
20451	SIB-SC-L03-3-4-07/27/2022	20451004	SE	✓
20451	SIB-SC-L03-4-5-07/27/2022	20451007	SE	✓
20451	SIB-SC-L03-5-6-07/27/2022	20451008	SE	✓
20451	SIB-SC-D10-1-2-08/03/2022	20451009	SE	✓
20451	SIB-SC-D10-2-3-08/03/2022	20451010	SE	✓
20451	SIB-SC-D10-3-4-08/03/2022	20451011	SE	✓
20451	SIB-SC-D10-4-5-08/03/2022	20451012	SE	✓
20451	SIB-SC-D10-5-6-08/03/2022	20451013	SE	✓
20451	SIB-SC-D07-1-2-08/04/2022	20451014	SE	✓
20451	FD-25-08/04/2022	20451015	SE	✓
20451	SIB-SC-D07-2-3-08/04/2022	20451016	SE	✓
20451	SIB-SC-D07-3-4-08/04/2022	20451019	SE	✓
20451	SIB-SC-D07-4-5-08/04/2022	20451020	SE	✓
20451	SIB-SC-D07-5-6-08/04/2022	20451021	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20451	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 5 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 10 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

Coeluting PCB congeners are listed in the "custom_field_1" field. For PCB-59/62/75, the "custom_field_1" field is incorrectly populated with "2,3,3',6-TETRACHLOROBIPHENYL (59)". A DV comment was added to the "custom_field_2" field to flag the error.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	1	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification:

Client ID	Analyte	Qualifier
SIB-SC-L03-1-2-07/27/2022	PCB-11	U-MBL
SIB-SC-L03-2-3-07/27/2022	PCB-11	U-MBL
FD-21-07/27/2022	PCB-11	U-MBL
	PCB-3	U-MBL
SIB-SC-L03-5-6-07/27/2022	PCB-11	U-MBL
SIB-SC-D10-1-2-08/03/2022	PCB-11	U-MBL
SIB-SC-D10-2-3-08/03/2022	PCB-11	U-MBL
SIB-SC-D10-3-4-08/03/2022	PCB-11	U-MBL
	PCB-3	U-MBL
SIB-SC-D10-4-5-08/03/2022	PCB-11	U-MBL
SIB-SC-D10-5-6-08/03/2022	PCB-11	U-MBL
SIB-SC-D07-1-2-08/04/2022	PCB-11	U-MBL
FD-25-08/04/2022	PCB-11	U-MBL
SIB-SC-D07-2-3-08/04/2022	PCB-11	U-MBL
SIB-SC-D07-3-4-08/04/2022	PCB-11	U-MBL
SIB-SC-D07-4-5-08/04/2022	PCB-11	U-MBL
SIB-SC-D07-5-6-08/04/2022	PCB-11	U-MBL
	PCB-3	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB05-07262022 and EB06-08042022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDGs 20124 and 20186. Several results were detected in EB05-07262022, however; no data were qualified based on field blank contamination. EB06-08042022 was not evaluated as SDG 20186 was not submitted to EcoChem for review.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

Sample SIB-SC-L03-3-4-07/27/2022 was analyzed as the matrix spike. The RPD value for PCB-118 was greater than the control limit; the associated parent sample result was estimated (J-MSP).

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Samples SIB-SC-L03-2-3-07/27/2022 & FD-21-07/27/2022 were submitted as field duplicates. All acceptance criteria were met.

Samples SIB-SC-D07-1-2-08/04/2022 & FD-25-08/04/2022 were submitted as field duplicates. The following outliers were noted:

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-170	RPD	J-FDPR
PCB-172	RPD	J-FDPR
PCB-174	RPD	J-FDPR
PCB-175	Difference	J-FDPA
PCB-177	RPD	J-FDPR
PCB-130	RPD	J-FDPR
PCB-176	RPD	J-FDPR
PCB-131	RPD	J-FDPR
PCB-132	RPD	J-FDPR
PCB-82	RPD	J-FDPR
PCB-178	RPD	J-FDPR
PCB-133	RPD	J-FDPR
PCB-179	RPD	J-FDPR
PCB-134	RPD	J-FDPR
PCB-83	RPD	J-FDPR
PCB-136	RPD	J-FDPR
PCB-84	RPD	J-FDPR
PCB-181	Difference	J-FDPA

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-137	RPD	J-FDPR
PCB-141	RPD	J-FDPR
PCB-146	RPD	J-FDPR
PCB-144	RPD	J-FDPR
PCB-89	Difference	J-FDPA
PCB-41	Difference	J-FDPA
PCB-42	RPD	J-FDPR
PCB-92	RPD	J-FDPR
PCB-152	Difference	J-FDPA
PCB-94	Difference	J-FDPA
PCB-95	RPD	J-FDPR
PCB-43	Difference	J-FDPA
PCB-96	Difference	J-FDPA
PCB-46	Difference	J-FDPA
PCB-154	RPD	J-FDPR
PCB-99	RPD	J-FDPR
PCB-103	RPD	J-FDPR
PCB-48	RPD	J-FDPR
PCB-52	RPD	J-FDPR
PCB-189	Difference	J-FDPA
PCB-190	RPD	J-FDPR
PCB-191	Difference	J-FDPA
PCB-158	RPD	J-FDPR
PCB-105	RPD	J-FDPR
PCB-162	Difference	J-FDPA
PCB-164	RPD	J-FDPR
PCB-107	RPD	J-FDPR
PCB-122	Difference	J-FDPA
PCB-56	RPD	J-FDPR
PCB-167	RPD	J-FDPR
PCB-114	Difference	J-FDPA
PCB-118	RPD	J-FDPR
PCB-123	Difference	J-FDPA
PCB-60	RPD	J-FDPR
PCB-66	RPD	J-FDPR
PCB-120	Difference	J-FDPA
PCB-63	RPD	J-FDPR
PCB-67	Difference	J-FDPA
PCB-68	Difference	J-FDPA
PCB-64	RPD	J-FDPR
PCB-1	Difference	J-FDPA
PCB-79	RPD	J-FDPR
PCB-108/124	RPD	J-FDPR

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-110/115	RPD	J-FDPR
PCB-128/166	RPD	J-FDPR
PCB-129/138/163	RPD	J-FDPR
PCB-135/151	RPD	J-FDPR
PCB-139/140	Difference	J-FDPA
PCB-147/149	RPD	J-FDPR
PCB-153/168	RPD	J-FDPR
PCB-156/157	RPD	J-FDPR
PCB-171/173	RPD	J-FDPR
PCB-18/30	RPD	J-FDPR
PCB-180/193	RPD	J-FDPR
PCB-183/185	RPD	J-FDPR
PCB-40/71	RPD	J-FDPR
PCB-44/47/65	RPD	J-FDPR
PCB-45/51	Difference	J-FDPA
PCB-49/69	RPD	J-FDPR
PCB-50/53	Difference	J-FDPA
PCB-61/70/74/76	RPD	J-FDPR
PCB-85/116/117	RPD	J-FDPR
PCB-86/87/97/109/119/125	RPD	J-FDPR
PCB-88/91	RPD	J-FDPR
PCB-90/101/113	RPD	J-FDPR
PCB-93/100	Difference	J-FDPA

Reporting Limits

The laboratory reporting limits were greater than the QAPP CFA Sensitivity Limits.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

For Sample FD-25-08/04/2022, results for several analytes were E-flagged by the laboratory to indicate the result was reported from an instrument response that exceeded the calibration range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exception noted above, precision was also acceptable as demonstrated by the LCS/LCSD, MS/MSD, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and MS/MSD and field duplicate precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	2-CHLOROBIPHENYL	10.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	4,4'-DICHLOROBIPHENYL	34.9	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Chlorobiphenyl; 3-	44	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Chlorobiphenyl; 4-	23	pg/g	BJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	DECACHLOROBIPHENYL	77.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,2'-	27.9	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,3'-	18.2	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,4'-	41.3	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 3,3'-	222	pg/g	B	U	MBL	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	418	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	139	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	71.4	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	460	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	296	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	21.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	65.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	124	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	231	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	999	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	315	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	666	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	18.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	86	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	16.7	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	160	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	95.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1530	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	454	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	49.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	658	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	69.3	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	245	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	38	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	27.6	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	216	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	342	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	59.7	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	12.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	1390	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	12.7	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	4.62	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	1540	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	66.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	108	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	94.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	109	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	113	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	15.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	36.4	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	235	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	129	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	101	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	43.5	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	292	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	36.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	56.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	177	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	13.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	PCB-167	43.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	PCB-82	64.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	55.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	169	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	101	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	402	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	970	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	218	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	37.6	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	256	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	14.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	43	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	793	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	15.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	525	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	48.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	3.38	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	131	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	18.8	pg/g	CJK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	8.64	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	62	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	925	pg/g	C			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	7.24	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	6.18	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	609	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	14.4	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Polychlorinated Biphenyl (PCB)	21900	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	TETRACHLORO 1,1'-BIPHENYL	484	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	110	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	65.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	15.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	427	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	12.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	88.3	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	317	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	34.2	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	71.2	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	504	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	11.4	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	93.2	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,3',6-	17.3	pg/g	CJK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	20.1	pg/g	BJK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	342	pg/g				✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,4',5-	14.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	11.9	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3',4,5-	8.45	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	95.5	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	13.1	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 2,3',5,6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	28.9	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	8.8	pg/g	JK	J	VJ	
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,2',3-	18.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,2',4-	46.9	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,2',5-	53.5	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,2',6-	43.2	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3,3'-	178	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3,4'-	35	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3,4-	66.8	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3',4-	12.6	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3',5-	23.3	pg/g	CJ			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,3',6-	12.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,4',5-	91.3	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 2,4',6-	28.3	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 3,4,4'-	47.8	pg/g	J			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L03-1-2-07/27/2022	20451001	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	2-CHLOROBIPHENYL	18.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	4,4'-DICHLOROBIPHENYL	48.2	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Chlorobiphenyl; 3-	37.2	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Chlorobiphenyl; 4-	28.1	pg/g	BJK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	DECACHLOROBIPHENYL	81.7	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,3'-	24.5	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,4'-	67.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 3,3'-	206	pg/g	B	U	MBL	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	457	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	165	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	89.3	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	541	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	342	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	27.3	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	85.4	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	142	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	272	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1090	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	6.31	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	389	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	777	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	21.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	93.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	19	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	286	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	164	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2370	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	815	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	26.4	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	70.6	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	954	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	119	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	407	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	79.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	55.4	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	309	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	525	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	87.7	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	17.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2180	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	13.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2350	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	92.3	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	191	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	147	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	167	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	126	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	17.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	39.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	254	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	138	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	103	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	49.1	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	316	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	36.4	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	60.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	195	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	13.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	PCB-167	66.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	PCB-82	153	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	127	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	525	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	237	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1090	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	2370	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	420	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	74.8	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	586	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	46.9	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2090	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	18.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1280	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	76.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	293	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	41.4	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	17.3	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	155	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2460	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	17.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	14.8	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1620	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	24.5	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Polychlorinated Biphenyl (PCB)	40600	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	TETRACHLORO 1,1'-BIPHENYL	1520	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	257	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	216	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1000	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	31.4	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	32.3	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	121	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	892	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	85.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	101	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1610	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.09	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	250	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	13.9	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	58.2	pg/g	CJK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	26.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	957	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	36.5	pg/g	JK	J	VJ	
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	27.8	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	12.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	262	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	47.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	43.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	22.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,2',3'-	51.5	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,2',4'-	98.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,2',5'-	148	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,2',6'-	29.1	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3,3'-	393	pg/g	C			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3,4'-	76.5	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3,4'-	148	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3',4'-	27.4	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3',5'-	45.5	pg/g	CJ			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,3',6'-	13.9	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,4',5'-	235	pg/g				✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 2,4',6'-	67.6	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 3,4,4'-	70.7	pg/g	J			✓
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-2-3-07/27/2022	20451002	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	2-CHLOROBIPHENYL	14.7	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	4,4'-DICHLOROBIPHENYL	54.6	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Chlorobiphenyl; 3-	31.7	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Chlorobiphenyl; 4-	18.5	pg/g	BJ	U	MBL	
FD-21-07/27/2022	20451003	E1668	DECACHLOROBIPHENYL	90.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,2'-	35.5	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,3'-	29.7	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,4'-	69.6	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 3,3'-	210	pg/g	B	U	MBL	
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-21-07/27/2022	20451003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	377	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	139	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	73.6	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	445	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	288	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	21.1	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	69.6	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	126	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	227	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	887	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	5.83	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	307	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	657	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	15.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	76.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	16.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	261	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	149	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2040	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	723	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	22	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	56	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	821	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	106	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	344	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	62.3	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	41.9	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	256	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	436	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	78.3	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	13.6	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	1850	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	12	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	1970	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	77.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	160	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	133	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	146	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	96.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	12.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	32.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	208	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	115	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	81.2	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	40.4	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	269	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	34.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	54.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	164	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	11.6	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	PCB-167	56.3	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	PCB-82	145	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	109	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	504	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	210	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1010	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	2110	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	366	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	62.9	pg/g	CJK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	536	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	31.3	pg/g	CJK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1920	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	18.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1110	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	66.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	305	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	34.9	pg/g	CJK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	13.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	131	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2220	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	14.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	9.89	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1520	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	23.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Polychlorinated Biphenyl (PCB)	36200	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	TETRACHLORO 1,1'-BIPHENYL	1420	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	244	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	195	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	24.1	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	923	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,5-	20.4	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	29.6	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	110	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	797	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	84	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	92.9	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1520	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	5.61	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	236	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	11.9	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	55	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	29.3	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	879	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	34.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	27.6	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	10.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	251	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	45	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	41.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	22.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,2',3-	44.5	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,2',4-	96	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,2',5-	139	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,2',6-	26.9	pg/g	JK	J	VJ	
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3,3'-	371	pg/g	C			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3,4'-	72.7	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3,4-	149	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3',4-	25.8	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3',5-	44.8	pg/g	CJ			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,3',6-	12.1	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,4',5-	231	pg/g				✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 2,4',6-	61.4	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 3,4,4'-	66.1	pg/g	J			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-21-07/27/2022	20451003	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	2-CHLOROBIPHENYL	101	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	4,4'-DICHLOROBIPHENYL	192	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Chlorobiphenyl; 3-	251	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Chlorobiphenyl; 4-	192	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	DECACHLOROBIPHENYL	223	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,2'-	106	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,3'-	120	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,4'-	271	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 3,3'-	576	pg/g	B			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 3,4-	129	pg/g	CJK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2120	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	746	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	370	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2350	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1460	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	115	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	366	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	574	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1140	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4920	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	25.6	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1730	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3270	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	95.3	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	436	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	89.9	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1930	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	919	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	13700	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4690	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	186	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	260	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4300	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	795	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1870	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	590	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	265	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1860	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2140	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	505	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	49.7	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10100	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	43.2	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	16.9	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	10600	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	290	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1410	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1030	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	41.4	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	895	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	614	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	81.6	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	180	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1230	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	691	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	513	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	239	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1550	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	195	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	287	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	981	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	64.1	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	PCB-167	429	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	PCB-82	1170	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	836	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3400	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1670	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7690	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13900	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	84.6	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1990	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	345	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3250	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	58.3	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	153	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	11700	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	83.7	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6340	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	256	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	7.68	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2820	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	346	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	103	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	822	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	14800	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	16.2	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	145	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	110	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11100	pg/g		J	MSP	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	86.5	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	20.1	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Polychlorinated Biphenyl (PCB)	209000	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	TETRACHLORO 1,1'-BIPHENYL	8010	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	834	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	709	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,4-	50.4	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4020	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,5-	128	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	83.9	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	319	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3300	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	279	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	341	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8850	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	14.9	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1110	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	55.7	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	210	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	162	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3880	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	156	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	105	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	41.1	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1130	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	186	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	213	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	125	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,2',3'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,2',4'-	275	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,2',5'-	451	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,2',6'-	77.8	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3,3'-	1120	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3,4'-	223	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3,4'-	468	pg/g	C			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3',4'-	75.8	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3',5'-	21.3	pg/g	JK	J	VJ	
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3',5'-	133	pg/g	CJ			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3,6'-	127	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,3',6'-	49.1	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,4',5'-	719	pg/g				✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 2,4',6'-	171	pg/g	J			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 3,4,4'-	249	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L03-3-4-07/27/2022	20451004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	2-CHLOROBIPHENYL	331	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	4,4'-DICHLOROBIPHENYL	640	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Chlorobiphenyl; 3-	140	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Chlorobiphenyl; 4-	295	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	DECACHLOROBIPHENYL	352	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,2'-	421	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,3'-	298	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,4'-	1010	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,4-	60.6	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,5-	74.5	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 3,3'-	591	pg/g	B			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 3,4-	225	pg/g	CJ			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8830	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3270	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1590	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	9550	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5890	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	489	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1400	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2190	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4280	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	19900	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	87.5	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	109	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7060	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	11200	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	20.5	pg/g	JK	J	VJ	
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	407	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1930	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	422	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6290	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2840	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	44600	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	15000	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	683	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	923	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15400	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2850	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6750	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	2000	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	905	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6700	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7160	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2090	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	193	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	33300	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	137	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	48.4	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	33100	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	953	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5080	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3950	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	132	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2850	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1520	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	215	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	355	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4320	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2700	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1770	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	874	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5230	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	740	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	912	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3200	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	239	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	PCB-167	1570	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	PCB-82	3960	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2890	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	10800	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	5760	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	26800	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	46800	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	266	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6730	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1440	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	11200	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	189	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	424	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	38000	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	270	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	20700	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	798	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	10200	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1390	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	459	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2560	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	48600	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	52.4	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	612	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	399	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	33200	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	257	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	56	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	95.2	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Polychlorinated Biphenyl (PCB)	703000	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	TETRACHLORO 1,1'-BIPHENYL	24000	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4040	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2390	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,4-	330	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	14500	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,5-	320	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	343	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	990	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10600	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1020	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1060	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	27900	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	21.3	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3170	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,3',6-	670	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	717	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	9870	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,4',5-	405	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	340	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3740	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	585	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 2,3',5',6-	259	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	528	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	436	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,2',3-	609	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,2',4-	1540	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,2',5-	2070	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,2',6-	208	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3,3'-	5340	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3,4'-	912	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3,4-	1640	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3',4-	419	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3',5'-	53.1	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3',5-	675	pg/g	C			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,3',6-	212	pg/g	K	J	VJ	
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,4',5-	3310	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 2,4',6-	851	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 3,3',4-	77.5	pg/g	J			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 3,4,4'-	906	pg/g				✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L03-4-5-07/27/2022	20451007	E1668	Trichlorobiphenyl; 3,4',5-	131	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	2-CHLOROBIPHENYL	101	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	4,4'-DICHLOROBIPHENYL	484	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Chlorobiphenyl; 3-	63	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Chlorobiphenyl; 4-	87.3	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	DECACHLOROBIPHENYL	528	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,2'-	331	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,3'-	275	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,4'-	863	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,4-	53.7	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,5-	62.1	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 3,3'-	224	pg/g	B	U	MBL	
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 3,4-	168	pg/g	CJ			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9030	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3140	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1590	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	9170	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5810	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	468	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1370	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2090	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4280	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	19300	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	60.4	pg/g	JK	J	VJ	
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	107	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	6610	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	10900	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	23	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	375	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1790	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	379	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6060	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3030	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	46300	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	16000	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	631	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	916	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	17000	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2910	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6850	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1790	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	862	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6970	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7610	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1940	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	140	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	36200	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	138	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	38	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	35900	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	889	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	4640	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3610	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	122	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3120	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1480	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	201	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	462	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3840	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	2180	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1440	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	706	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4650	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	591	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	882	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2970	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	179	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	PCB-167	1530	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	PCB-82	3520	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2780	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	10100	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	5320	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	23700	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	43800	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	315	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6730	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1260	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	11000	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	177	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	404	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	34800	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	257	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	21300	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	859	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8350	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1210	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	491	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2700	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	44900	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	44.1	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	545	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	356	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	31800	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	294	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	62.6	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Polychlorinated Biphenyl (PCB)	724000	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	TETRACHLORO 1,1'-BIPHENYL	30300	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4830	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3630	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,4-	398	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15700	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,5-	580	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	475	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1400	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	12500	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1930	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1210	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	26100	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	19.9	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	5650	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,3',4-	300	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	245	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1090	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	894	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	16300	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,4',5-	634	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	382	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3',4,5-	257	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5160	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	690	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 2,3',5',6-	271	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	824	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	593	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,2',3-	1100	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,2',4-	2330	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,2',5-	3570	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,2',6-	287	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3,3'-	7780	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3,4'-	1720	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3,4-	2850	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3',4-	554	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3',5'-	119	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3',5-	969	pg/g	C			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,3',6-	339	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,4',5-	5670	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 2,4',6-	966	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 3,3',4-	88.6	pg/g	J			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 3,4,4'-	1290	pg/g				✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L03-5-6-07/27/2022	20451008	E1668	Trichlorobiphenyl; 3,4',5-	213	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	2-CHLOROBIPHENYL	395	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	4,4'-DICHLOROBIPHENYL	504	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Chlorobiphenyl; 3-	40.3	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Chlorobiphenyl; 4-	164	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	DECACHLOROBIPHENYL	1250	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,2'-	435	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,3'-	331	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,4'-	890	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,4-	71.2	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,5-	83.4	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 2,6-	26.3	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 3,3'-	154	pg/g	B	U	MBL	
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 3,4-	145	pg/g	CJ			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9330	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3260	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1670	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	9990	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	6680	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	483	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1480	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2460	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5080	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	21800	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	49.1	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	102	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7340	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	12900	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	40	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	370	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1930	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	380	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6470	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3170	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	47200	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	16300	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	673	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1420	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	18500	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2940	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	7500	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	2050	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1160	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6780	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	9620	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1070	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	427	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	38900	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	16.6	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	242	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	43.5	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	38300	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1580	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	17	pg/g	JK	J	VJ	
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5110	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3710	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	89	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2950	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	45.9	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2290	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	294	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	629	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4930	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2890	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1920	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	920	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5980	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	738	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1080	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3710	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	228	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	PCB-167	1600	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	PCB-82	4100	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3130	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	10900	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	6140	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	26700	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	49000	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	246	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	7510	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1180	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	12300	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	151	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	539	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	38100	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	221	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	25400	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1180	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	6.44	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	10500	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1480	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	408	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3430	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	50200	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	82.4	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	615	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	367	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	37000	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	429	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	39.4	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	67.7	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	74.7	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Polychlorinated Biphenyl (PCB)	761000	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	TETRACHLORO 1,1'-BIPHENYL	27400	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3270	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2780	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,4-	296	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	14200	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,5-	353	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	257	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',3,6-	745	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	12200	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1000	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',4,6-	728	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	28700	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3810	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,3',4-	238	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	256	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,3',6-	784	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	702	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	13600	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,4',5-	535	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	538	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3',4,5-	226	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3730	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1010	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 2,3',5',6-	355	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	787	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	773	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Tetrachlorobiphenyl; 3,4,4',5-	27.8	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,2',3-	685	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,2',4-	1330	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,2',5-	2100	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,2',6-	233	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3,3'-	4230	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3,4'-	854	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3,4-	1570	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3',4-	496	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3',5'-	60.8	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3',5-	999	pg/g	C			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,3',6-	208	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,4',5-	2780	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 2,4',6-	541	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 3,3',4-	90.3	pg/g	J			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 3,4,4'-	826	pg/g				✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D10-1-2-08/03/2022	20451009	E1668	Trichlorobiphenyl; 3,4',5-	175	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	2-CHLOROBIPHENYL	622	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	4,4'-DICHLOROBIPHENYL	618	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Chlorobiphenyl; 3-	67.8	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Chlorobiphenyl; 4-	261	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	DECACHLOROBIPHENYL	817	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,2'-	541	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,3'-	431	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,4'-	1090	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,4-	91.2	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,5-	93.8	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 2,6-	31.3	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 3,3'-	162	pg/g	B	U	MBL	✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 3,4-	178	pg/g	CJ			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	7610	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2680	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1340	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7840	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5120	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	373	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1200	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1950	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4010	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	17300	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	45	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	87.7	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5700	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	9790	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	24.9	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	320	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1550	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	313	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	5290	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2780	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	40600	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	13700	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	593	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1030	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15500	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2630	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6210	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1710	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	916	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	5910	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7620	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1750	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	213	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	33000	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	143	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	32.3	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	33200	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1060	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	4220	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3060	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	98.1	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2560	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	33.7	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1680	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	213	pg/g	K	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	514	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3860	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2260	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1450	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	688	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4740	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	595	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	882	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2920	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	205	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	PCB-167	1320	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	PCB-82	3510	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2580	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	8890	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	5020	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	22800	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	40800	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	260	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6220	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1050	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	10300	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	136	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	380	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	32100	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	214	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	19900	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	838	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8050	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1190	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	443	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2600	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	41500	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	50.7	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	522	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	285	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	29000	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	302	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	47.6	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	66.8	pg/g	JK	J	VJ	
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Polychlorinated Biphenyl (PCB)	646000	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	TETRACHLORO 1,1'-BIPHENYL	25100	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3540	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2710	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,4-	347	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	12500	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,5-	381	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	336	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1010	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10200	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1350	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',4,6-	844	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	23300	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	18.7	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3980	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,3',4-	231	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	197	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,3',6-	872	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	697	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	12100	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,4',5-	541	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	371	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3',4,5-	256	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3990	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	672	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 2,3',5',6-	225	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	661	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	448	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,2',3-	907	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,2',4-	1780	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,2',5-	2600	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,2',6-	286	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3,3'-	5750	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3,4'-	1080	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3,4-	2110	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3',4-	516	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3',5'-	79.8	pg/g	J			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3',5-	1040	pg/g	C			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,3',6-	258	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,4',5-	3700	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 2,4',6-	751	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 3,3',4-	71.8	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 3,4,4'-	1090	pg/g				✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D10-2-3-08/03/2022	20451010	E1668	Trichlorobiphenyl; 3,4',5-	136	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	2-CHLOROBIPHENYL	15.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	4,4'-DICHLOROBIPHENYL	65.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Chlorobiphenyl; 4-	14.4	pg/g	BJK	U	MBL	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	DECACHLOROBIPHENYL	693	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,2'-	28.5	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,3'-	32	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,4'-	110	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 3,3'-	102	pg/g	BJ	U	MBL	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 3,4-	23	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1270	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	445	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	230	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1360	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	862	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	61.5	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	204	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6'-	332	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	676	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3010	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1020	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1780	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	50.3	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	268	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	47.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	365	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	271	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	4060	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1280	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	39.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	144	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1970	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	210	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	789	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	95.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	84	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	610	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1100	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	187	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	41.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	4360	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	37.6	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	4480	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	212	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	313	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	232	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	20.8	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	267	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	562	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	58.9	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	202	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	790	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	450	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	307	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	134	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	935	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	117	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	167	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	563	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	32.4	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	PCB-167	105	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	PCB-82	184	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	159	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	575	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	300	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1360	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	3400	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	636	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	87.3	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	959	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	68	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2720	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	20.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1810	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	143	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	373	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	57	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	26	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	222	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2980	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	11.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	21	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	13.8	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1730	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	53.8	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Polychlorinated Biphenyl (PCB)	67000	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	TETRACHLORO 1,1'-BIPHENYL	1830	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	339	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	260	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,4-	36.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1110	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,5-	29.2	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	30.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',3,6-	110	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	982	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',4,5-	121	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',4,6-	82	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1650	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.05	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	347	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,3',4-	19.8	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	23.2	pg/g	JK	J	VJ	
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,3',6-	40.1	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	54.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1040	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,4',5-	41.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	52.6	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3',4,5-	19.7	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3,4',6-	328	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	73.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 2,3',5',6-	25.3	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	55.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	33	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,2',3-	75.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,2',4-	177	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,2',5-	237	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,2',6-	27.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3,3'-	525	pg/g	C			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3,4'-	112	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3,4-	205	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3',4-	36.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3',5'-	8.45	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3',5-	79.3	pg/g	CJ			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,3',6-	21.2	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,4',5-	343	pg/g				✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 2,4',6-	79.9	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 3,4,4'-	94.8	pg/g	J			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D10-3-4-08/03/2022	20451011	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	2-CHLOROBIPHENYL	48.9	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	4,4'-DICHLOROBIPHENYL	184	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Chlorobiphenyl; 4-	40.2	pg/g	BJK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	DECACHLOROBIPHENYL	5600	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,2'-	116	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,3'-	130	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,4'-	311	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 3,3'-	222	pg/g	B	U	MBL	
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 3,4-	68.5	pg/g	CJK	J	VJ	

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4680	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1700	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	871	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5290	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3620	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	240	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	796	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1520	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2960	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11500	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	47.8	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	36	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3870	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7640	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	42.2	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	184	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	979	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	183	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1890	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1350	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	18800	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6440	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	184	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	790	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9840	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1140	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3650	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	535	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	500	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2350	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5620	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	818	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	255	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	20800	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	197	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	20000	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1250	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	1380	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	1120	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	65.2	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	1280	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-	31.9	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	2920	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	410	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	1120	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2840	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1650	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1130	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	501	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	3610	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	443	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	657	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	2160	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	143	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	PCB-167	480	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	PCB-82	945	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	971	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	3470	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1560	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	7910	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	19100	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	75	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3560	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	497	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5340	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	61.8	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	399	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14200	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	92.1	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	11100	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	799	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2090	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	336	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	106	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1300	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	17100	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	46.2	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	116	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	104	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	10800	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	290	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Polychlorinated Biphenyl (PCB)	336000	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	TETRACHLORO 1,1'-BIPHENYL	10900	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1900	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1530	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,4-	117	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6740	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,5-	193	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	176	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',3,6-	505	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	6050	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',4,5-	690	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',4,6-	415	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	10600	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.15	pg/g	JK	J	VJ	
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1730	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,3',4-	105	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,3',6-	430	pg/g	CJ			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	181	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6150	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,4',5-	253	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	326	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3',4,5-	114	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1880	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	425	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 2,3',5',6-	130	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	257	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	252	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,2',3-	345	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,2',4-	784	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,2',5-	1080	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,2',6-	95.2	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3,3'-	2690	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3,4'-	460	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3,4-	1010	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3',4-	261	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3',5'-	47.9	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3',5-	550	pg/g	C			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,3',6-	125	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,4',5-	1700	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 2,4',6-	325	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 3,3',4-	34.6	pg/g	J			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 3,4,4'-	442	pg/g				✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D10-4-5-08/03/2022	20451012	E1668	Trichlorobiphenyl; 3,4',5-	69.2	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	2-CHLOROBIPHENYL	27.4	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	4,4'-DICHLOROBIPHENYL	78.4	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Chlorobiphenyl; 3-	17.3	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Chlorobiphenyl; 4-	29.3	pg/g	BJK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	DECACHLOROBIPHENYL	1360	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,2'-	53	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,3'-	61.5	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,4'-	164	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 3,3'-	193	pg/g	B	U	MBL	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 3,4-	36.7	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2770	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1040	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	509	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3120	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2350	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	162	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	491	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	989	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1830	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6900	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	54.7	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	24.9	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2470	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5000	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	37	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	104	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	551	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	97.7	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	922	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	795	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	10400	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3140	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	105	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	546	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4910	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	510	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2110	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	238	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	278	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1380	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3670	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	414	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	175	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	11900	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	7.03	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	194	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	5.85	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12500	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1030	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	11.9	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	601	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	562	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	757	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	970	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	120	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	347	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1570	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	927	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	615	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	306	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2000	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	262	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	408	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1180	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	75.3	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	PCB-167	241	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	PCB-82	396	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	424	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1460	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	629	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3360	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	8740	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1790	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	224	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2460	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	302	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	6600	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	41.3	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	5180	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	446	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	893	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	150	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	57.3	pg/g	JK	J	VJ	✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	541	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	7520	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	39.4	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	48.1	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	35	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4200	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	185	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Polychlorinated Biphenyl (PCB)	168000	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	TETRACHLORO 1,1'-BIPHENYL	4440	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	753	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	580	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3020	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,5-	65	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	70.6	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	191	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2680	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',4,5-	236	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	161	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4480	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	703	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,3',4-	41.3	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	39.6	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,3',6-	156	pg/g	CJK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	85.3	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	2310	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,4',5-	80.6	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	251	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3',4,5-	36.4	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3,4',6-	678	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	250	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 2,3',5',6-	41.6	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	85.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	113	pg/g	JK	J	VJ	
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,2',3-	138	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,2',4-	285	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,2',5-	413	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,2',6-	39.7	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3,3'-	945	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3,4'-	171	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3,4-	424	pg/g	C			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3',4-	87.7	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3',5'-	22.5	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3',5-	136	pg/g	CJ			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,3',6-	35.9	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,4',5-	605	pg/g				✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 2,4',6-	132	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 3,4,4'-	144	pg/g	J			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D10-5-6-08/03/2022	20451013	E1668	Trichlorobiphenyl; 3,4',5-	36.1	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	2-CHLOROBIPHENYL	1200	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	4,4'-DICHLOROBIPHENYL	867	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Chlorobiphenyl; 3-	142	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Chlorobiphenyl; 4-	563	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	DECACHLOROBIPHENYL	1350	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,2'-	661	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,3'-	456	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,4'-	1560	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,4-	127	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,5-	121	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 2,6-	54.3	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 3,3'-	208	pg/g	B	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 3,4-	261	pg/g	CJK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	12600	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4630	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2250	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	13800	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	8930	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	710	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2030	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3580	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	6990	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	28900	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	125	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	155	pg/g	J	J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	10600	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	18300	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	53.6	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	531	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2540	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	549	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	10500	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4960	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	72700	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	24500	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	1050	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1610	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	24200	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	4290	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	9820	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	3170	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1500	pg/g	C	J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	10700	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	12300	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2920	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	354	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	53300	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	24.7	pg/g	JK	J	VJ	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	325	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	55	pg/g	J	J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	55800	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1870	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7200	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5830	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	184	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4870	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2980	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	420	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	817	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	6140	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	3740	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2370	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1290	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6-	8020	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1050	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1480	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	5000	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	329	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	PCB-167	2280	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	PCB-82	5830	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3780	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	14700	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7670	pg/g	C	J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	36600	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	65700	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	426	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	9590	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1610	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	15600	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	212	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	787	pg/g	C	J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	50100	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	312	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	29700	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	1290	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	14200	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1970	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	571	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3990	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	66200	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	73.6	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	788	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	552	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	46800	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	447	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	53	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	150	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	123	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Polychlorinated Biphenyl (PCB)	1E+06	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	TETRACHLORO 1,1'-BIPHENYL	40700	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	5070	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3910	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,4-	316	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	19900	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,5-	702	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	475	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1360	pg/g	C	J	FDPA	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	16800	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',4,5-	2100	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1150	pg/g	C	J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	42000	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	19	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	6270	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	234	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1180	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	1490	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	18800	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,4',5-	810	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	540	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3',4,5-	430	pg/g		J	FDPA	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5960	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1070	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1080	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	835	pg/g		J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,2',3-	1360	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,2',4-	2070	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,2',5-	3480	pg/g	C	J	FDPR	
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,2',6-	332	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3,3'-	6760	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3,4'-	1590	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3,4-	2800	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3',4-	703	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3',5'-	88.1	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3',5-	1360	pg/g	C			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,3',6-	302	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,4',5-	4720	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 2,4',6-	915	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 3,3',4-	137	pg/g	J			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 3,4,4'-	1650	pg/g				✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D07-1-2-08/04/2022	20451014	E1668	Trichlorobiphenyl; 3,4',5-	209	pg/g				✓
FD-25-08/04/2022	20451015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	2-CHLOROBIPHENYL	595	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	4,4'-DICHLOROBIPHENYL	891	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Chlorobiphenyl; 3-	83.7	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Chlorobiphenyl; 4-	284	pg/g				✓
FD-25-08/04/2022	20451015	E1668	DECACHLOROBIPHENYL	1660	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,2'-	1020	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,3'-	516	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,4'-	1840	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,4-	122	pg/g	JK	J	VJ	
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,5-	129	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 2,6-	54.8	pg/g	JK	J	VJ	
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 3,3'-	223	pg/g	BK	U	MBL	
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 3,4-	251	pg/g	CJ			✓
FD-25-08/04/2022	20451015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	39700	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	13600	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	5710	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	30300	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	20300	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	1610	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	4370	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	5990	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	12600	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	62100	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	298	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	1020	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	22500	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	30400	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	31.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	63.4	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	1980	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	7420	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	1510	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	66100	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	27200	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	372000	pg/g	CE	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	124000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	7160	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	5490	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	92300	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	24400	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	42200	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	24700	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	8590	pg/g	C	J	FDPA	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	51500	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	43300	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-	132	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	14400	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	477	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	218000	pg/g	CE	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	178	pg/g	K	J	VJ	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	580	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	393	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	222000	pg/g	CE	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	3740	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	55400	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	39300	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	1150	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	23600	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-25-08/04/2022	20451015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2990	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	396	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	887	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	7590	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4590	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3230	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1570	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	9730	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1230	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1640	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	6070	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	378	pg/g				✓
FD-25-08/04/2022	20451015	E1668	PCB-167	15000	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	PCB-82	35000	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	20500	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	73200	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	48900	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	222000	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	318000	pg/g	CE	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	2010	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	39500	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	6690	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	72600	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	942	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	1640	pg/g	C	J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	209000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	1440	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	145000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2490	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	106000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	14500	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	3700	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	21700	pg/g		J	FDPR	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	347000	pg/g	CE	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	113	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	6560	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	3870	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	300000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	1090	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Polychlorinated Biphenyl (PCB)	4E+06	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	TETRACHLORO 1,1'-BIPHENYL	133000	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	10100	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	7090	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,4-	1570	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	54000	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,5-	1260	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	810	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2370	pg/g	C	J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	35100	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',4,5-	3910	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',4,6-	2820	pg/g	C	J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	138000	pg/g	E	J	ACR,FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	29	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	14300	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1130	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	4950	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	42400	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,4',5-	2030	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	937	pg/g	K	J	FDPA,VJ	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3',4,5-	1060	pg/g		J	FDPA	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3,4',6-	16200	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1570	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1310	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	2620	pg/g		J	FDPR	
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,2',3-	2120	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,2',4-	3140	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,2',5-	5810	pg/g	C	J	FDPR	
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,2',6-	594	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3,3'-	9300	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3,4'-	2300	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3,4-	3810	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3',4-	933	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3',5'-	111	pg/g	J			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3',5-	1880	pg/g	C			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,3',6-	454	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,4',5-	7130	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 2,4',6-	1460	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 3,3',4-	159	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 3,4,4'-	1950	pg/g				✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-25-08/04/2022	20451015	E1668	Trichlorobiphenyl; 3,4',5-	266	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	2-CHLOROBIPHENYL	89.4	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	4,4'-DICHLOROBIPHENYL	274	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Chlorobiphenyl; 3-	22.8	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Chlorobiphenyl; 4-	68.8	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	DECACHLOROBIPHENYL	1380	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,2'-	137	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,3'-	179	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,4'-	544	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 3,3'-	198	pg/g	B	U	MBL	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 3,4-	94.3	pg/g	CJ			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	9800	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3330	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1950	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8890	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7880	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	437	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1450	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3140	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4690	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	25300	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	350	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	71.2	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	7430	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	14800	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	44.3	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	602	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2260	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	418	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3330	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2840	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	30400	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	9500	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	378	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1760	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	12900	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1530	pg/g	K	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5120	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	888	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	876	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3980	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	10600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	1130	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	434	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	27500	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	256	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	28600	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1910	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	2420	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	2000	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	130	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	2100	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	3860	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	537	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	823	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	12800	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	6730	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4920	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1900	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	12400	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1600	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1730	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	7960	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	650	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	PCB-167	797	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	PCB-82	1790	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	1480	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	5210	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2720	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	12500	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	26600	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	143	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4710	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	714	pg/g	CK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	6680	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	87.6	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	483	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	19600	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	147	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	14300	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	889	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3920	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	583	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	189	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1750	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	25000	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	104	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	245	pg/g	K	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	159	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	16800	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	372	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Polychlorinated Biphenyl (PCB)	540000	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	TETRACHLORO 1,1'-BIPHENYL	16900	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2670	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2180	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,4-	140	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	9310	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,5-	230	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	257	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	713	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8310	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1020	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	612	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15700	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2650	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	136	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	628	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	408	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9240	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	363	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	465	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	140	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2770	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	603	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	436	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	271	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,2',3-	523	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,2',4-	1100	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,2',5-	1620	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,2',6-	110	pg/g	J			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3,3'-	3630	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3,4'-	710	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3,4-	1540	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3',4-	269	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3',5'-	64.7	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3',5-	450	pg/g	C			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,3',6-	155	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,4',5-	2370	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 2,4',6-	470	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 3,3',4-	62.6	pg/g	JK	J	VJ	
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 3,4,4'-	678	pg/g				✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D07-2-3-08/04/2022	20451016	E1668	Trichlorobiphenyl; 3,4',5-	104	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	2-CHLOROBIPHENYL	34.6	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	4,4'-DICHLOROBIPHENYL	56.9	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Chlorobiphenyl; 4-	29.1	pg/g	BJK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	DECACHLOROBIPHENYL	748	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,2'-	27.8	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,3'-	37.6	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,4'-	106	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 3,3'-	137	pg/g	B	U	MBL	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 3,4-	29.1	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1790	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	656	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	317	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1960	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1500	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	90.2	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	309	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	640	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1190	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4350	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	31.3	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1570	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3200	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	20.2	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	69	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	344	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	67.7	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	505	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	480	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	6160	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1830	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	45.3	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	416	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3570	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	307	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1510	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	97.2	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	181	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	814	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2600	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	259	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	166	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7750	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	153	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	7250	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	748	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	354	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	291	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	28	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	455	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	600	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	76.1	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	208	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1070	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	639	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	438	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	213	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	1350	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	175	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	255	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	831	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	55.8	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	PCB-167	128	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	PCB-82	186	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	247	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	739	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	332	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1870	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	5480	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1260	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	160	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1650	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	21.3	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	238	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	4210	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	28.6	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3310	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	325	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	410	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	80.6	pg/g	CJK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	350	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	4110	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	37.3	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	22.9	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	18.8	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	2180	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	152	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	18.9	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Polychlorinated Biphenyl (PCB)	104000	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	TETRACHLORO 1,1'-BIPHENYL	2400	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	421	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	311	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	57.1	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1940	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	35	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	112	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1950	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	123	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	105	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2530	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	409	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	28.9	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	42.2	pg/g	CJK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	59.8	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1320	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	42.9	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	310	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	25.4	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	332	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	235	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	49.8	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	129	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,2',3-	77.4	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,2',4-	153	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,2',5-	202	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,2',6-	18.6	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3,3'-	482	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3,4'-	103	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3,4-	220	pg/g	C			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3',4-	70.5	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3',5-	101	pg/g	CJ			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,3',6-	18.3	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,4',5-	345	pg/g				✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 2,4',6-	73.7	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 3,3',4-	31.8	pg/g	JK	J	VJ	
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 3,4,4'-	85.7	pg/g	J			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D07-3-4-08/04/2022	20451019	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	2-CHLOROBIPHENYL	55.7	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	4,4'-DICHLOROBIPHENYL	128	pg/g	K	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Chlorobiphenyl; 4-	38.8	pg/g	BJ			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	DECACHLOROBIPHENYL	876	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,2'-	108	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,3'-	80.3	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,4'-	310	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 3,3'-	116	pg/g	B	U	MBL	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 3,4-	36.2	pg/g	CJK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3360	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1260	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	558	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3540	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2350	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	187	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	532	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	879	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1820	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7470	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	32.7	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	48.3	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2830	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4590	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	137	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	659	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	126	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3410	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1620	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	23700	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	7950	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	354	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	511	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	7230	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1360	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3340	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1180	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	495	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3290	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3960	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	884	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	124	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	17500	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	7.71	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	136	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	18.2	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	17400	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	705	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	7.48	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2330	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1920	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1470	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1070	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	130	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	344	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1610	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1010	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	668	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	339	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6-	2130	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	285	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	395	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1380	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	86.7	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	PCB-167	702	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	PCB-82	2040	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1180	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5120	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2680	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	13400	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	21900	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	117	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3100	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	460	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4880	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	60.3	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	240	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	16900	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	101	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	9560	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	348	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5540	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	747	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	191	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1240	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	22500	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	27.2	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	293	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	185	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	16100	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	142	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	13.9	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	37.4	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	33.9	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Polychlorinated Biphenyl (PCB)	321000	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	TETRACHLORO 1,1'-BIPHENYL	10900	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1000	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	657	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,4-	97.3	pg/g	JK	J	VJ	
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5400	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	84.8	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',3,6-	240	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3620	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',4,5-	339	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',4,6-	255	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	12600	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1280	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,3',6-	166	pg/g	CJ			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	392	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3510	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,4',5-	137	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	241	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3',4,5-	50.2	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1340	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	224	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	174	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	212	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,2',3-	270	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,2',4-	409	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,2',5-	719	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,2',6-	75.9	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3,3'-	1170	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3,4'-	310	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3,4-	596	pg/g	C			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3',4-	101	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3',5'-	17.8	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3',5-	177	pg/g	CJ			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,3',6-	56.1	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,4',5-	901	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 2,4',6-	191	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 3,3',4-	32.5	pg/g	J			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 3,4,4'-	222	pg/g				✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D07-4-5-08/04/2022	20451020	E1668	Trichlorobiphenyl; 3,4',5-	45.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	2-CHLOROBIPHENYL	13.7	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	4,4'-DICHLOROBIPHENYL	39.5	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Chlorobiphenyl; 3-	11.7	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Chlorobiphenyl; 4-	20.1	pg/g	BJ	U	MBL	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	DECACHLOROBIPHENYL	707	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,3'-	35.5	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,4'-	99.6	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 3,3'-	119	pg/g	BJ	U	MBL	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 3,4-	47	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1050	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	370	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	182	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1130	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	771	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	54.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	172	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	325	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	611	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	2710	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	8.36	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	882	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1700	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	9.78	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	39.1	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	204	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	35.5	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	323	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	234	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	3540	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1060	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	32.8	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	129	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1600	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	167	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	637	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	74.3	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	65.3	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	538	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	949	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	158	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	38.2	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	3530	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	32.5	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3830	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	184	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	235	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	168	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	32.5	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	243	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 2,3,3',5',5',6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	585	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	59	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	209	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	682	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	364	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	263	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	111	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	833	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	97.2	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	174	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	512	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	30	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	PCB-167	84	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	PCB-82	161	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	147	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	729	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	247	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	1240	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	3150	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	634	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	85.7	pg/g	CJK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	867	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	11.9	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	69.1	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	3050	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	23.7	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	1560	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	138	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	335	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	49.9	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	23.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	169	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	2900	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	22.9	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	15.2	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	1450	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	41.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Polychlorinated Biphenyl (PCB)	64500	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	TETRACHLORO 1,1'-BIPHENYL	1890	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	550	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	423	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	25	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	2140	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	26.8	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	50.5	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	99.5	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1960	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	84.7	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	95.5	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2940	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	276	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	15.6	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	25.5	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	70.3	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	39.7	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1110	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	37	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	110	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	12	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	316	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	110	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 2,3',5',6-	37.4	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	36.3	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	48.4	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,2',4-	118	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,2',5-	168	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,2',6-	20.1	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3,3'-	430	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3,4'-	70.5	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3,4-	271	pg/g	C			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3',4-	65.2	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3',5'-	15.1	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3',5-	85.3	pg/g	CJ			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3,6-	46.1	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,3',6-	14.2	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,4',5-	297	pg/g				✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 2,4',6-	59.3	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 3,3',4-	16.3	pg/g	JK	J	VJ	
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 3,4,4'-	62.9	pg/g	J			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-D07-5-6-08/04/2022	20451021	E1668	Trichlorobiphenyl; 3,4',5-	22.8	pg/g	J			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Reston, VA 20190

Prepared by:

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500 Union Street, Suite 1010
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EcoChem Project: C28601-1

SDG: 20452

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of summary review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	EPA 1668C	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20452	SIB-SC-I04-1-2-08/09/2022	20452001	SE	✓
20452	SIB-SC-I04-2-3-08/09/2022	20452002	SE	✓
20452	SIB-SC-I04-3-4-08/09/2022	20452003	SE	✓
20452	SIB-SC-I04-4-5-08/09/2022	20452004	SE	✓
20452	SIB-SC-I04-5-6-08/09/2022	20452005	SE	✓
20452	SIB-SC-B10-1-2-08/11/2022	20452006	SE	✓
20452	SIB-SC-B10-2-3-08/11/2022	20452007	SE	✓
20452	SIB-SC-B10-3-4-08/11/2022	20452010	SE	✓
20452	SIB-SC-B10-4-5-08/11/2022	20452011	SE	✓
20452	SIB-SC-B10-5-6-08/11/2022	20452012	SE	✓
20452	FD-35-08/11/2022	20452013	SE	✓
20452	SIB-SC-F04-1-2-08/11/2022	20452014	SE	✓
20452	SIB-SC-F04-2-3-08/11/2022	20452015	SE	✓
20452	SIB-SC-F04-3-4-08/11/2022	20452016	SE	✓
20452	SIB-SC-F04-4-5-08/11/2022	20452017	SE	✓
20452	SIB-SC-F04-5-6-08/11/2022	20452018	SE	✓
20452	SIB-SC-G04-1-2-08/16/2022	20452019	SE	✓
20452	SIB-SC-G04-2-3-08/16/2022	20452020	SE	✓
20452	SIB-SC-G04-3-4-08/16/2022	20452021	SE	✓
20452	SIB-SC-G04-4-5-08/16/2022	20452022	SE	✓
20452	SIB-SC-G04-5-6-08/16/2022	20452025	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20452	21 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 5 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 15 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	1	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 51276: The following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SC-G04-4-5-08/16/2022	PCB-11	U-MBL
	PCB-3	U-MBL
SIB-SC-G04-5-6-08/16/2022	PCB-11	U-MBL
	PCB-3	U-MBL

Extraction Batch 51252: The following field sample results were qualified as not detected:

Client ID	Analyte	Qualifier
SIB-SC-I04-1-2-08/09/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-I04-2-3-08/09/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-I04-3-4-08/09/2022	PCB-2	U-MBL
SIB-SC-I04-4-5-08/09/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-I04-5-6-08/09/2022	PCB-3	U-MBL
SIB-SC-B10-1-2-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-66	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
	PCB-90/101/113	U-MBL

Client ID	Analyte	Qualifier
SIB-SC-B10-2-3-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-66	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
PCB-90/101/113	U-MBL	
SIB-SC-B10-3-4-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-66	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
PCB-90/101/113	U-MBL	
SIB-SC-B10-4-5-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
	PCB-90/101/113	U-MBL
SIB-SC-B10-5-6-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-66	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
PCB-90/101/113	U-MBL	

Client ID	Analyte	Qualifier
FD-35-08/11/2022	PCB-95	U-MBL
	PCB-52	U-MBL
	PCB-118	U-MBL
	PCB-66	U-MBL
	PCB-2	U-MBL
	PCB-3	U-MBL
	PCB-110/115	U-MBL
	PCB-129/138/163	U-MBL
	PCB-135/151	U-MBL
	PCB-44/47/65	U-MBL
	PCB-61/70/74/76	U-MBL
	PCB-86/87/97/109/119/125	U-MBL
	PCB-90/101/113	U-MBL
SIB-SC-F04-1-2-08/11/2022	PCB-2	U-MBL
SIB-SC-F04-2-3-08/11/2022	PCB-2	U-MBL
SIB-SC-F04-3-4-08/11/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-F04-4-5-08/11/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-F04-5-6-08/11/2022	PCB-2	U-MBL
SIB-SC-G04-1-2-08/16/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-G04-2-3-08/16/2022	PCB-2	U-MBL
	PCB-3	U-MBL
SIB-SC-G04-3-4-08/16/2022	PCB-2	U-MBL
	PCB-3	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB07-08092022 and EB08-08212022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDGs 20282 and 20186. Several results were detected in EB08-08212022, however; no data were qualified based on field blank contamination. EB07-08092022 was not evaluated as SDG 20186 was not submitted to EcoChem for review.

Matrix Spikes/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference

(RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

For batch 51276, Sample SIB-SC-G04-4-5-08/16/2022 was analyzed as the matrix spike.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
PCB-105	136	OK	32	J-MSH,MSP
PCB-118	240	OK	59	J-MSH,MSP

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field duplicates were submitted.

Samples SIB-SC-B10-2-3-08/11/2022 & FD-35-08/11/2022 were submitted as field duplicates. Field precision was acceptable.

Samples SIB-SC-G04-5-6-08/16/2022 from this SDG & FD-35-08/11/2022 from SDG 20453 were submitted as field duplicates. The following qualifiers were assigned:

Analyte	Outlier Type	Qualifier
PCB-153/168	Difference	J-FDPA
PCB-180/193	Difference	J-FDPA
PCB-170	Difference	J-FDPA
PCB-52	Difference	J-FDPA
PCB-99	Difference	J-FDPA
PCB-110/115	Difference	J-FDPA
PCB-132	Difference	J-FDPA
PCB-174	Difference	J-FDPA
PCB-187	Difference	J-FDPA
PCB-129/138/163	Difference	J-FDPA
PCB-90/101/112	Difference	J-FDPA
PCB-147/149	Difference	J-FDPA
PCB-118	RPD	J-FDPR
PCB-95	RPD	J-FDPR
Total PCB	RPD	J-FDPR

Reporting Limits

The laboratory reporting limits were greater than the QAPP CFA Sensitivity Limits.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

For Sample SIB-SC-I04-3-4-08/09/2022, results for several analytes were E-flagged by the laboratory to indicate the result was reported from an instrument response that exceeded the calibration range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as reported by the LCS/LCSD, matrix spike/matrix spike duplicate, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to calibration range exceedances and MS/MSD precision and accuracy outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20452001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	2-CHLOROBIPHENYL	331	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	4,4'-DICHLOROBIPHENYL	406	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Chlorobiphenyl; 3-	102	pg/g	BJ	U	MBL	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Chlorobiphenyl; 4-	174	pg/g	BJ	U	MBL	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	DECACHLOROBIPHENYL	472	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,2'-	223	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,3'-	164	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,4'-	507	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 3,3'-	336	pg/g	K	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 3,4-	202	pg/g	CJK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5890	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2030	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	886	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	5690	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3770	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	284	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	847	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1410	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2750	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11900	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	71.7	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	79.5	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4300	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7360	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	28.5	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	280	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1130	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	232	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	5160	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	2300	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	35100	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	12300	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	496	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	813	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	11000	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2090	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4850	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	1550	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	702	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	4800	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5770	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	1330	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	163	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	26500	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	13.6	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	109	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	51.3	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	27100	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	810	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	4190	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	2820	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	107	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	2280	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	1080	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	161	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	343	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2700	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1490	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1050	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	484	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3230	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	399	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	641	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1940	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	125	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	PCB-167	1260	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	PCB-82	3130	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2170	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	8280	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4440	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	20100	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	35700	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	208	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	5340	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	910	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	8310	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	169	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	464	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	26000	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	191	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	16900	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	646	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	20.1	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8240	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	999	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	272	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2370	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	39000	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	50.9	pg/g	JK	J	VJ	
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	412	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	249	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	29200	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	251	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	62.5	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	56.7	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Polychlorinated Biphenyl (PCB)	520000	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	TETRACHLORO 1,1'-BIPHENYL	18400	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2230	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1670	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,4-	137	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	10200	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,5-	242	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	179	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	629	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7780	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',4,5-	552	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	571	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	18400	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	55.3	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2460	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	128	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,3',6-	437	pg/g	CJ			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	465	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9390	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,4',5-	376	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	310	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3',4,5-	103	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2700	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	470	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	492	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	435	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,2',4-	541	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,2',5-	812	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,2',6-	164	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3,3'-	2250	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3,4'-	424	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3,4-	927	pg/g	C			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3',4-	163	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3',5'-	34.7	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3',5-	306	pg/g	CJ			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3,6-	222	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,3',6-	76.9	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,4',5-	1220	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 2,4',6-	382	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 3,3',4-	53.1	pg/g	J			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 3,4,4'-	500	pg/g				✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-104-1-2-08/09/2022	20452001	E1668	Trichlorobiphenyl; 3,4',5-	71.6	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	2-CHLOROBIPHENYL	182	pg/g	K	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	4,4'-DICHLOROBIPHENYL	186	pg/g	K	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Chlorobiphenyl; 3-	66.7	pg/g	BJ	U	MBL	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Chlorobiphenyl; 4-	112	pg/g	BJ	U	MBL	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	DECACHLOROBIPHENYL	627	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,3'-	85.4	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,4'-	327	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 3,3'-	188	pg/g	K	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 3,4-	66.4	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2690	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	885	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	431	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2650	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1840	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	125	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	378	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	667	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1250	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5740	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	25.4	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	23.9	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1950	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3610	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17.7	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	121	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	531	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	96.5	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1840	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	963	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	14200	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4830	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	173	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	368	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4790	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	790	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1950	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	501	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	287	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1760	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2710	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	499	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	79	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	11400	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	55.1	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	19.6	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12000	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	419	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1450	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	948	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	42.6	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	981	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	902	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	93.5	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	294	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1290	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	665	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	488	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	215	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1620	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	182	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	315	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	948	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	64.7	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	PCB-167	462	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	PCB-82	1000	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	839	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3290	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1540	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7420	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	15100	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	80.6	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2400	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	404	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3760	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	79	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	258	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	11000	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	87.8	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7790	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	379	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	12	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2390	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	325	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	101	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1080	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	15800	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	24.4	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	133	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	87.1	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11900	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	139	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Polychlorinated Biphenyl (PCB)	229000	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	TETRACHLORO 1,1'-BIPHENYL	8530	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1320	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1070	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	85.2	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5460	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	104	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	123	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	385	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	4680	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	349	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	333	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8750	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	21.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1340	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	76.8	pg/g	JK	J	VJ	
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	293	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	160	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	5200	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	196	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	179	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	55.8	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1390	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	307	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	233	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	174	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,2',3'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,2',4'-	348	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,2',5'-	550	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,2',6'-	90.2	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3,3'-	1420	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3,4'-	272	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3,4'-	594	pg/g	C			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3',4'-	92.7	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3',5'-	21.3	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3',5'-	162	pg/g	CJ			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3,6'-	141	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,3',6'-	44.3	pg/g	J			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,4',5'-	801	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 2,4',6'-	239	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 3,4,4'-	296	pg/g				✓
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-2-3-08/09/2022	20452002	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	2-CHLOROBIPHENYL	698	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	4,4'-DICHLOROBIPHENYL	544	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Chlorobiphenyl; 3-	72.3	pg/g	BJ	U	MBL	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Chlorobiphenyl; 4-	241	pg/g	B			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	DECACHLOROBIPHENYL	1480	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,2'-	687	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,3'-	461	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,4'-	1370	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 3,3'-	220	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 3,4-	302	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	14700	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4830	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2290	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	12900	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	9060	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	612	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1820	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	3020	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	6040	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	29300	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	94.9	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	192	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	9710	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	16100	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	81.4	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	606	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2880	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	508	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	11000	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	5310	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	79700	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	26300	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1020	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1880	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	24200	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4270	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	11400	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	3460	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	1620	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	10600	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	14700	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	2750	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	404	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	63700	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	24.5	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	380	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	74.3	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	65800	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2360	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	15.9	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	9110	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	6150	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	155	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	5210	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	2910	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	323	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	874	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	5850	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	3300	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2350	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	925	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	6950	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	798	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1310	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	4220	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	272	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	PCB-167	2930	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	PCB-82	6270	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	4920	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	20500	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	9120	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	46500	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	91000	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	441	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	15700	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	2530	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	21900	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	377	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	1180	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	70400	pg/g	E	J	ACR	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	485	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	47400	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2270	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	23.9	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	17300	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	2260	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	650	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	6010	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	94900	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	153	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	905	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	670	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	70500	pg/g	E	J	ACR	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	869	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	184	pg/g	K	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	118	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Polychlorinated Biphenyl (PCB)	1E+06	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	TETRACHLORO 1,1'-BIPHENYL	53500	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	8300	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	7020	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	481	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	36900	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	678	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1710	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	32900	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1430	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1970	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	60900	pg/g	E	J	ACR	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	44.8	pg/g	JK	J	VJ	
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	6820	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	661	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1420	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	921	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	29500	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	902	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	1830	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	229	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	7570	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	2620	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1820	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	2480	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,2',3-	774	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,2',4-	1940	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,2',5-	2830	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,2',6-	298	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3,3'-	7810	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3,4'-	1160	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3,4-	2110	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3',4-	1170	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3',5'-	118	pg/g	J			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3',5-	1440	pg/g	C			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,3',6-	210	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,4',5-	5030	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 2,4',6-	1270	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 3,3',4-	276	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 3,4,4'-	1070	pg/g				✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-104-3-4-08/09/2022	20452003	E1668	Trichlorobiphenyl; 3,4',5-	533	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	2-CHLOROBIPHENYL	78.4	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	4,4'-DICHLOROBIPHENYL	132	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Chlorobiphenyl; 3-	19.1	pg/g	BJ	U	MBL	
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Chlorobiphenyl; 4-	44.9	pg/g	BJ	U	MBL	
SIB-SC-104-4-5-08/09/2022	20452004	E1668	DECACHLOROBIPHENYL	1190	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,2'-	138	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,3'-	95.1	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,4'-	446	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 3,3'-	72.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 3,4-	58.5	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3310	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1100	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	503	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3400	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2440	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	153	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	480	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	932	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1650	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7480	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	35.2	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	28.3	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2490	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4860	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	119	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	648	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	112	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1510	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	895	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	13200	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4210	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	130	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	478	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5260	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	654	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2100	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	370	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	296	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1700	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	3370	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	347	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	137	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	11600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	78.4	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	10.8	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	12600	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	563	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1080	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	784	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	38.1	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	926	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	14	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1240	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	137	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	389	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1850	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	982	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	685	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	283	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2110	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	250	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	432	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1390	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	73.2	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	PCB-167	366	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	PCB-82	798	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	688	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2810	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1240	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6150	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	13900	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	76.2	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2320	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	399	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3630	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	60.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	201	pg/g	CJK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9860	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	73.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7690	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	420	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1710	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	239	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	92.3	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	985	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	12900	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	37.1	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	109	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	8580	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	163	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	15.1	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Polychlorinated Biphenyl (PCB)	240000	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	TETRACHLORO 1,1'-BIPHENYL	9870	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2020	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1520	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,4-	147	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6760	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,5-	135	pg/g	JK	J	VJ	
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	179	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	520	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5340	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	656	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	371	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8680	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	18.5	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2000	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	87.1	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	358	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	260	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6170	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	193	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	233	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	62.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1880	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	341	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	259	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	198	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,2',3'-	456	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,2',4'-	968	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,2',5'-	1650	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,2',6'-	157	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3,3'-	3130	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3,4'-	736	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3,4'-	1140	pg/g	C			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3',4'-	157	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3',5'-	32.8	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3',5'-	284	pg/g	CJ			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,3',6'-	95.5	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,4',5'-	2120	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 2,4',6'-	487	pg/g				✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 3,3',4'-	34.7	pg/g	J			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 3,4,4'-	409	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-104-4-5-08/09/2022	20452004	E1668	Trichlorobiphenyl; 3,4',5-	101	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	2-CHLOROBIPHENYL	33.9	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	4,4'-DICHLOROBIPHENYL	44	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Chlorobiphenyl; 4-	28.1	pg/g	BJK	U	MBL	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	DECACHLOROBIPHENYL	909	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,2'-	52.9	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,3'-	32	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,4'-	139	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 3,3'-	57.7	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3240	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1040	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	515	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3200	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2210	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	148	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	449	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	855	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1540	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7510	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	31.4	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	24	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2470	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4560	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	21.3	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	168	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	599	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	131	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	841	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	622	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	10300	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3100	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	81.6	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	361	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4540	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	458	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1760	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	163	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1670	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2750	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	420	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	97.6	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	9840	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	75.1	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	7.21	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11000	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	477	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.44	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	680	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	579	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	48.4	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	836	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	867	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	91.9	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	277	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1600	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	819	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	576	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	230	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1730	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	206	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	347	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1060	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	66.7	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	PCB-167	306	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	PCB-82	258	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	289	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1130	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	436	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2530	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	7610	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	25.1	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1220	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	182	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2010	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	34	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	166	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5370	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	38.4	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3730	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	291	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	6.06	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	527	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	88.4	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	31.3	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	437	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	6100	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	23.7	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	27.6	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	3340	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	103	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	8.64	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Polychlorinated Biphenyl (PCB)	146000	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	TETRACHLORO 1,1'-BIPHENYL	3440	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	725	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	534	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,4-	42.8	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	2660	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,5-	45.6	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	56.6	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	177	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2290	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	203	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	137	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	3470	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	10.4	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	673	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	35.4	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	128	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	85.5	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2050	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	71.2	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	129	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3',4,5-	19	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	638	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	171	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	74.9	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	79.2	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,2',3-	104	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,2',4-	257	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,2',5-	397	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,2',6-	42.1	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3,3'-	824	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3,4'-	174	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3,4-	315	pg/g	C			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3',4-	48.3	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3',5'-	13.8	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3',5-	83	pg/g	CJ			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,3',6-	21.9	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,4',5-	495	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 2,4',6-	144	pg/g				✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 3,3',4-	20.4	pg/g	JK	J	VJ	
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 3,4,4'-	110	pg/g	J			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-104-5-6-08/09/2022	20452005	E1668	Trichlorobiphenyl; 3,4',5-	36.3	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	DECACHLOROBIPHENYL	20.2	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 3,3'-	41	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	10.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	14.6	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	24.2	pg/g	CJ			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	17.4	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	41.7	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	21	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6.86	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	35.7	pg/g	CJ			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	37.9	pg/g	BCJ			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	PCB-167		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	PCB-82		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	8.9	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	17.7	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	33.1	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	10.1	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	32.1	pg/g	BJK	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	12.6	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	7.33	pg/g	JK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	32.7	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	20.4	pg/g	BJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Polychlorinated Biphenyl (PCB)	546	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	TETRACHLORO 1,1'-BIPHENYL	19.8	pg/g	BCJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	5.93	pg/g	CJK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	11.2	pg/g	CJK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	21.7	pg/g	BJK	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	12.5	pg/g	BJ	U	MBL	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,2',5-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3,3'-	11.1	pg/g	CJ			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3,4-	9.19	pg/g	CJK	J	VJ	
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,4',5-	9.07	pg/g	J			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B10-1-2-08/11/2022	20452006	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	DECACHLOROBIPHENYL	19.4	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 3,3'-	58.5	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	10.1	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	16	pg/g	CJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	13.7	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	31.2	pg/g	BCJK	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	12.3	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	13.8	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6.61	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	26.9	pg/g	CJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	26.3	pg/g	BCJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	PCB-167		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	PCB-82		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	9.41	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	16.2	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	28.7	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	27.4	pg/g	BJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	12.5	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	26.5	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	21	pg/g	BJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Polychlorinated Biphenyl (PCB)	522	pg/g	J			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	TETRACHLORO 1,1'-BIPHENYL	24.1	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	20.1	pg/g	BCJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	7.47	pg/g	CJK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	13.4	pg/g	CJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	26.7	pg/g	BJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	10.9	pg/g	BJ	U	MBL	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,2',5-	8.55	pg/g	CJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3,3'-	12.3	pg/g	CJK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3,4'-	5.62	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3,4-	6.93	pg/g	CJ			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,4',5-	9.06	pg/g	JK	J	VJ	
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B10-2-3-08/11/2022	20452007	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	DECACHLOROBIPHENYL	13.6	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,3'-	11.3	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 3,3'-	51.3	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7.22	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	13	pg/g	CJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	9.46	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	23	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	8.99	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	10.3	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4.01	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	19.4	pg/g	CJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	18.1	pg/g	BCJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	5.09	pg/g	CJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	6.5	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	6.58	pg/g	CJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	PCB-167		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	PCB-82		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	13.9	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	19.4	pg/g	BCJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	15.3	pg/g	BJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7.28	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	7.14	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	16.5	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	15.3	pg/g	BJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Polychlorinated Biphenyl (PCB)	406	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	TETRACHLORO 1,1'-BIPHENYL	19.9	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	14.8	pg/g	BCJ	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',3,6-	4.48	pg/g	CJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7.25	pg/g	CJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15	pg/g	BJK	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	8.27	pg/g	BJK	U	MBL	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,2',5-	4.59	pg/g	CJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3,3'-	10.7	pg/g	CJ			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3,4'-	4.56	pg/g	JK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3,4-	6.47	pg/g	CJK	J	VJ	
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,4',5-	7.25	pg/g	J			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B10-3-4-08/11/2022	20452010	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 3,3'-	50.9	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	13.4	pg/g	CJK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	8.79	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	16.5	pg/g	BCJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9.49	pg/g	BCJK	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	11.9	pg/g	CJ			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	17.4	pg/g	BCJK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	PCB-167		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	PCB-82		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11.9	pg/g	BCJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	18.8	pg/g	BCJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14.4	pg/g	BJK	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7.55	pg/g	JK	J	VJ	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	16.7	pg/g	BCJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	9.92	pg/g	BJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Polychlorinated Biphenyl (PCB)	267	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	TETRACHLORO 1,1'-BIPHENYL	8.79	pg/g	BCJ	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	16.9	pg/g	BCJK	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',4,5'-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	16.4	pg/g	BJK	U	MBL	
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3',4,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,2',5-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3,3'-	10	pg/g	CJ			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3,4-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,4',5-	6.88	pg/g	J			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B10-4-5-08/11/2022	20452011	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 3,3'-	43.3	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	5.47	pg/g	JK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	11.8	pg/g	CJ			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	7.62	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	18.2	pg/g	BCJ	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6.73	pg/g	BCJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	16.6	pg/g	CJ			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	14.5	pg/g	BCJ			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	PCB-167		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	PCB-82		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11.8	pg/g	BCJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	17.7	pg/g	BCJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	17	pg/g	BJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	7.52	pg/g	JK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	12.1	pg/g	BCJ	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11.1	pg/g	BJ	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Polychlorinated Biphenyl (PCB)	274	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	TETRACHLORO 1,1'-BIPHENYL	15.9	pg/g	BCJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15.4	pg/g	BCJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	15.6	pg/g	BJK	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	8.35	pg/g	BJ	U	MBL	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,2',5-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3,3'-	9	pg/g	CJK	J	VJ	
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3,4-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,4',5-	7.99	pg/g	J			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 2,4',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B10-5-6-08/11/2022	20452012	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Chlorobiphenyl; 3-	7.15	pg/g	BJK	U	MBL	
FD-35-08/11/2022	20452013	E1668	Chlorobiphenyl; 4-	6.9	pg/g	BJK	U	MBL	
FD-35-08/11/2022	20452013	E1668	DECACHLOROBIPHENYL	24.8	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 3,3'-	44.8	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	12.4	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	12.2	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	9.48	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	3.34	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	5.3	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	7.6	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	25	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8.98	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	17.5	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	3.09	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6.2	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	43.4	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	14.1	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	19.3	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	7.91	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	7.18	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7.74	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	37.1	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	42.9	pg/g	BCJ			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6.34	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3.98	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4.21	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-35-08/11/2022	20452013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	17.4	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	7.97	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	8.75	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	5.5	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3.73	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	12.5	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.39	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	7.85	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	PCB-167	4.68	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	PCB-82		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	7.52	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	6.45	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	20.6	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	34.7	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6.68	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	8.61	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	29.3	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	12.9	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	6.87	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	29.7	pg/g	BCJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	23.5	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Polychlorinated Biphenyl (PCB)	778	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	TETRACHLORO 1,1'-BIPHENYL	22.6	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	20.1	pg/g	BCJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	5.02	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	12.4	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3.25	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	20.6	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	3.03	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	9.99	pg/g	BJ	U	MBL	
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,2',3'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,2',4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,2',5'-	5.27	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,2',6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3,3'-	7.88	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3,4'-	3.67	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3,4'-	4.04	pg/g	CJ			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3',4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3',5'-	3.53	pg/g	CJK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,3',6'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,4',5'-	5.75	pg/g	J			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 2,4',6'-	3.2	pg/g	JK	J	VJ	
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 3,3',4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓
FD-35-08/11/2022	20452013	E1668	Trichlorobiphenyl; 3,4',5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	2-CHLOROBIPHENYL	1070	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	4,4'-DICHLOROBIPHENYL	586	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Chlorobiphenyl; 3-	153	pg/g	BJ	U	MBL	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Chlorobiphenyl; 4-	466	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	DECACHLOROBIPHENYL	708	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,2'-	739	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,3'-	343	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,4'-	998	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,4'-	116	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,5'-	108	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 2,6'-	40.8	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 3,3'-	527	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 3,4-	235	pg/g	CJ			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8980	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	3210	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1390	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8520	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5620	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	439	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1310	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2100	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4070	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	18500	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	62.7	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	139	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	6510	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	11100	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	32.8	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	378	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1700	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	351	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	10000	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4280	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	62500	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	20900	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	997	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1090	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	17600	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3640	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	8190	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	3340	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1310	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	8150	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	8830	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2360	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	178	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	41600	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	21.9	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	175	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	60.4	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	43900	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1090	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7220	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5430	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	174	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3660	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2070	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	270	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	581	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3900	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2330	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1470	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	761	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5090	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	636	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	953	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3210	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	190	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	PCB-167	2180	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	PCB-82	6160	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3540	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	16100	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7910	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	38800	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	63600	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	378	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	9360	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1520	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	14800	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	218	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	534	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	51800	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	335	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	28200	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	946	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	11.5	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	15100	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1900	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	493	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3670	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	69200	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	48.5	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	784	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	503	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	48300	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	304	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	102	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	77.4	pg/g	JK	J	VJ	
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Polychlorinated Biphenyl (PCB)	877000	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	TETRACHLORO 1,1'-BIPHENYL	28100	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2880	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2380	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,4-	291	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	15500	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	202	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',3,6-	592	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	11500	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	733	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	776	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	36100	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	25.4	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3250	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	131	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	534	pg/g	CJ			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	791	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	11300	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	417	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	397	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	117	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	4040	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	621	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	190	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	786	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	651	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,2',3'-	315	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,2',4'-	580	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,2',5'-	1010	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,2',6'-	153	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3,3'-	2130	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3,4'-	467	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3,4'-	940	pg/g	C			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3',4'-	195	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3',5'-	30.5	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3',5'-	276	pg/g	CJ			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,3',6'-	99	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,4',5'-	1430	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

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SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 2,4',6-	332	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 3,3',4-	86.7	pg/g	J			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 3,4,4'-	600	pg/g				✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F04-1-2-08/11/2022	20452014	E1668	Trichlorobiphenyl; 3,4',5-	95	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	2-CHLOROBIPHENYL	594	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	4,4'-DICHLOROBIPHENYL	862	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Chlorobiphenyl; 3-	145	pg/g	BJ	U	MBL	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Chlorobiphenyl; 4-	366	pg/g	B			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	DECACHLOROBIPHENYL	1540	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,2'-	982	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,3'-	430	pg/g	K	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,4'-	1170	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,4-	91.6	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 3,3'-	343	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 3,4-	247	pg/g	CJ			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	14900	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5450	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2520	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	15200	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	10500	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	733	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2400	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	4010	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	8100	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	34000	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	110	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	172	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	11900	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	16.3	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	20200	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	67.6	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	596	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	3060	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	594	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	9310	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4760	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	70300	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	23100	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	877	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1830	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	25600	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3780	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	11600	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	2980	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1460	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	9740	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	13600	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2310	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	454	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	58800	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	22.7	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	409	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	63.9	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	61300	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2270	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	17.2	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6810	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5200	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	226	pg/g	K	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4340	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	69.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	3330	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	412	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	995	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	7200	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4380	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2990	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1440	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	9400	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1160	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1770	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	5690	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	356	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	PCB-167	2200	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	PCB-82	4740	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3690	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	14500	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7150	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	33300	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	64800	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	318	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	11700	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	1700	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	15900	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	284	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	992	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	54500	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	422	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	32900	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2070	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	29.1	pg/g	JK	J	VJ	
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	10900	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1530	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	577	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3950	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	65800	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	113	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	649	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	364	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	43600	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	598	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	60.5	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	96	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Polychlorinated Biphenyl (PCB)	1E+06	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	TETRACHLORO 1,1'-BIPHENYL	29700	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	5420	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	4520	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,4-	630	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	19500	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,5-	498	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	536	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1600	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	18700	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1660	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',4,6-	2060	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	38300	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	48.9	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	4370	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	273	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1220	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	898	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	16800	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,4',5-	576	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	719	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3',4,5-	219	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5350	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1160	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1090	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	658	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,2',3-	1160	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,2',4-	1770	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,2',5-	3270	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,2',6-	508	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3,3'-	5410	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3,4'-	1130	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3,4-	2250	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3',4-	452	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3',5'-	74.7	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3',5-	701	pg/g	C			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,3',6-	305	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,4',5-	3480	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 2,4',6-	935	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 3,3',4-	137	pg/g	J			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 3,4,4'-	1290	pg/g				✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F04-2-3-08/11/2022	20452015	E1668	Trichlorobiphenyl; 3,4',5-	203	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	2-CHLOROBIPHENYL	341	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	4,4'-DICHLOROBIPHENYL	709	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Chlorobiphenyl; 3-	72.4	pg/g	BJK	U	MBL	
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Chlorobiphenyl; 4-	163	pg/g	BJK	U	MBL	
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	DECACHLOROBIPHENYL	1600	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,2'-	554	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,3'-	449	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,4'-	1150	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,4-	83.1	pg/g	JK	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,5-	74.1	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 3,3'-	199	pg/g	K	J	VJ	
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 3,4-	289	pg/g	CJ			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	15600	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5700	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2760	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	16600	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	11200	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	803	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2500	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	4050	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	8330	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	35700	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	69.7	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	170	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	12800	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	14.2	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	21600	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	53.2	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	649	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	3150	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	597	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	10100	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	5080	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	75000	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	23800	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	928	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	1560	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	26800	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3800	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	12300	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	3070	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	1470	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	10200	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	13600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2850	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	295	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	65500	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	21.6	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	395	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	56.5	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	66100	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	2180	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	12	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7510	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5390	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	234	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4760	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	36.8	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	3460	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	444	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	969	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	7750	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	4660	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	3200	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1540	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	10200	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1250	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	1760	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	6070	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	365	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	PCB-167	2380	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	PCB-82	4800	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	3790	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	16600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7380	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	36400	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	74300	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	305	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	14100	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	2010	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	17500	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	232	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	909	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	57700	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	411	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	38700	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	2030	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	11.2	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	11400	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1630	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	470	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	4370	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	75900	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	90	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	607	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	587	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	49400	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	656	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	24.3	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	105	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	92.8	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Polychlorinated Biphenyl (PCB)	1E+06	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	TETRACHLORO 1,1'-BIPHENYL	38200	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	6630	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	6110	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,4-	317	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	25300	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,5-	461	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	504	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	1310	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	23400	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1750	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1200	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	42600	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	19.9	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	5720	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	407	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	1370	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	693	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	22900	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	662	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	881	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	237	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	6340	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	1540	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1040	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	808	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,2',3-	920	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,2',4-	2070	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,2',5-	2890	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,2',6-	306	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3,3'-	6890	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3,4'-	1230	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3,4-	2320	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3',4-	719	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3',5'-	108	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3',5-	869	pg/g	C			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,3',6-	259	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,4',5-	4330	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 2,4',6-	804	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 3,3',4-	150	pg/g	J			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 3,4,4'-	1240	pg/g				✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F04-3-4-08/11/2022	20452016	E1668	Trichlorobiphenyl; 3,4',5-	309	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	2-CHLOROBIPHENYL	156	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	4,4'-DICHLOROBIPHENYL	184	pg/g	K	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Chlorobiphenyl; 3-	47.5	pg/g	BJ	U	MBL	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Chlorobiphenyl; 4-	99	pg/g	BJ	U	MBL	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	DECACHLOROBIPHENYL	2890	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,2'-	168	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,3'-	162	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,4'-	324	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 3,3'-	110	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 3,4-	98.9	pg/g	CJK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	7060	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2570	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1190	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	7490	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5210	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	355	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1150	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2070	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4100	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	16900	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	40.6	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	49	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	5900	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	11000	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	42.9	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	263	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1340	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	244	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2630	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1730	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	26100	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	7780	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	243	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	886	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	11800	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1140	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	5090	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	525	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3690	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	7080	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	801	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	255	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	27200	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	263	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	15.1	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	28000	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1320	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	15.6	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1840	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1430	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	74.5	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1910	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	33.1	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	2300	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	246	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	758	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3780	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2230	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1560	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	663	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4610	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	579	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	857	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2770	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	189	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	PCB-167	624	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	PCB-82	935	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	828	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3480	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1450	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7830	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	20600	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	64	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	4080	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	436	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5710	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	55.7	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	431	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	15900	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	95.2	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	11000	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	946	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2110	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	330	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	122	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1190	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	17400	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	55.8	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	118	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	114	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	10100	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	268	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	22.8	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	26.4	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Polychlorinated Biphenyl (PCB)	379000	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	TETRACHLORO 1,1'-BIPHENYL	8270	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1460	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1330	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,4-	219	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5720	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,5-	103	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	124	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',3,6-	324	pg/g	CJ			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5660	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',4,5-	428	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',4,6-	281	pg/g	CJ			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	9050	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1410	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	93.9	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,3',6-	311	pg/g	CJ			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	152	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4810	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,4',5-	156	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	324	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3',4,5-	55.4	pg/g	JK	J	VJ	
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1330	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	437	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	223	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	237	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,2',3-	244	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,2',4-	556	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,2',5-	808	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,2',6-	83.4	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3,3'-	1860	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3,4'-	341	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3,4-	641	pg/g	C			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3',4-	197	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3',5'-	34.5	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3',5-	258	pg/g	CJ			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,3',6-	65.7	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,4',5-	1170	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 2,4',6-	195	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 3,3',4-	44.2	pg/g	J			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 3,4,4'-	307	pg/g				✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F04-4-5-08/11/2022	20452017	E1668	Trichlorobiphenyl; 3,4',5-	71.7	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	2,3-DICHLOROBIPHENYL	67.2	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	2-CHLOROBIPHENYL	1870	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	4,4'-DICHLOROBIPHENYL	293	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Chlorobiphenyl; 3-	209	pg/g	B	U	MBL	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Chlorobiphenyl; 4-	871	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	DECACHLOROBIPHENYL	128	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,2'-	423	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,3'-	209	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,4'-	624	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,4-	107	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,5-	86.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 3,3'-	68.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 3,4-	156	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	584	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	206	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	101	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	658	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	432	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	33.4	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	104	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	170	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	349	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1440	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	521	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	945	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	23	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	116	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	22.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	252	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	163	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2360	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	700	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	24	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	73.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	992	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	108	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	445	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	79	pg/g	JK	J	VJ	✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	53.7	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	329	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	580	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	90.8	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	22.1	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2500	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	21.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2540	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	116	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	179	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	134	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-	160	pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	184	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	22.6	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	57.4	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	326	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	192	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	132	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	66.6	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	435	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	55.4	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	85.7	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	257	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	17.3	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	PCB-167	64.4	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	PCB-82	108	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	112	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	451	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	183	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	890	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	2050	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	456	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	64.1	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	511	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	36.4	pg/g	CJK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1860	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	13.2	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1160	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	79.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	255	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	35.8	pg/g	CJK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	18.3	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-	141	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',4,6-	2070	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	12.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1290	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	26.3	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Polychlorinated Biphenyl (PCB)	44200	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	TETRACHLORO 1,1'-BIPHENYL	1400	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	267	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	217	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	885	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,5-	19.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	17.3	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',3,6-	46.5	pg/g	CJK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	831	pg/g	C			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',4,5-	71.6	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',4,6-	33	pg/g	CJK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1230	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	242	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	15.8	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,3',6-	47.4	pg/g	CJK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	39.3	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	914	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,4',5-	25.2	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	36.1	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3',4,5-	7.48	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3,4',6-	229	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	62.9	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	40.8	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	36.8	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,2',4-	79.2	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,2',5-	115	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,2',6-	14.8	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3,3'-	264	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3,4'-	55.5	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3,4-	94.1	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3',4-	29.2	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3',5-	39	pg/g	CJ			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3,6-	33	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,3',6-	12.6	pg/g	JK	J	VJ	
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,4',5-	162	pg/g				✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 2,4',6-	35.5	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 3,4,4'-	65.2	pg/g	J			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F04-5-6-08/11/2022	20452018	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	2-CHLOROBIPHENYL	49.7	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	4,4'-DICHLOROBIPHENYL	277	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Chlorobiphenyl; 3-	19.3	pg/g	BJ	U	MBL	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Chlorobiphenyl; 4-	62.3	pg/g	BJ	U	MBL	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	DECACHLOROBIPHENYL	1800	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,2'-	135	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,3'-	158	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,4'-	537	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 3,3'-	102	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 3,4-	109	pg/g	CJK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	5400	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1950	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	955	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	6100	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	4240	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	274	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	905	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1580	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3160	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	13200	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	22.1	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	41.9	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4770	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	8630	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	25.3	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	190	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1060	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	203	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2320	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1490	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	20800	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	6420	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	208	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	640	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9160	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	948	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3720	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	599	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	421	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2770	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5180	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	751	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	147	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	20900	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	158	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	22000	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	908	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1510	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1190	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	62.3	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1360	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	20.3	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1650	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	186	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	515	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2960	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1690	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1210	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	539	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3700	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	452	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	657	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2210	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	141	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	PCB-167	507	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	PCB-82	1060	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	905	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3940	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1660	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	8160	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	19500	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	91.9	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3920	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	548	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5080	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	66	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	299	pg/g	CJ			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14100	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	114	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	10500	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	688	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2150	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	324	pg/g	CJ			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	115	pg/g	JK	J	VJ	
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1160	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	17900	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	34.3	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	107	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	85.3	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11200	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	210	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Polychlorinated Biphenyl (PCB)	359000	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	TETRACHLORO 1,1'-BIPHENYL	13200	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2750	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	2240	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,4-	239	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8570	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,5-	212	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	231	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',3,6-	645	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7350	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1070	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',4,6-	443	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	12500	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2470	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	127	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,3',6-	592	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	259	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	8130	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,4',5-	280	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	241	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3',4,5-	117	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2640	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	435	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	338	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	164	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,2',3-	478	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,2',4-	1140	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,2',5-	1630	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,2',6-	135	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3,3'-	3810	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3,4'-	731	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3,4-	1490	pg/g	C			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3',4-	238	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3',5'-	56.4	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3',5-	354	pg/g	CJ			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,3',6-	118	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,4',5-	2340	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 2,4',6-	372	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 3,3',4-	36.4	pg/g	J			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 3,4,4'-	622	pg/g				✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G04-1-2-08/16/2022	20452019	E1668	Trichlorobiphenyl; 3,4',5-	90	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	2-CHLOROBIPHENYL	30.3	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	4,4'-DICHLOROBIPHENYL	121	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Chlorobiphenyl; 3-	17	pg/g	BJK	U	MBL	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Chlorobiphenyl; 4-	34	pg/g	BJ	U	MBL	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	DECACHLOROBIPHENYL	1880	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,3'-	62.4	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,4'-	214	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 3,3'-	96.1	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4190	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1510	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	698	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4510	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3220	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	208	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	685	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1250	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	2430	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	10000	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	32.1	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3530	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	6450	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	27.8	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	157	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	804	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	137	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1390	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1010	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	15100	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4610	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	136	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	570	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6980	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	699	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3060	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	324	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	328	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2030	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4410	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	642	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	164	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	16500	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	154	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	16700	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	824	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	971	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	730	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	989	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	22.7	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1380	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	152	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	465	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2140	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1250	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	903	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	381	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2720	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	335	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	489	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1590	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	111	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	PCB-167	333	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	PCB-82	517	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	518	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1910	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	872	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4490	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	11800	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	2360	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	272	pg/g	CJ			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3370	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	33.8	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	250	pg/g	CJ			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	9550	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	57.7	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6470	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	559	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1070	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	172	pg/g	CJ			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	75.3	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	710	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	10100	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	38.9	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	58.6	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	44	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	5530	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	160	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	19.8	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Polychlorinated Biphenyl (PCB)	227000	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	TETRACHLORO 1,1'-BIPHENYL	5620	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1070	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	874	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,4-	48.9	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3730	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	76.3	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	72.4	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	223	pg/g	CJ			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3620	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	365	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	166	pg/g	CJK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5790	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1050	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	46.3	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	224	pg/g	CJK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	106	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3170	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	111	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	159	pg/g	K	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	50	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1030	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	262	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	146	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	133	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,2',3'-	166	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,2',4'-	380	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,2',5'-	542	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,2',6'-	56.8	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3,3'-	1320	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3,4'-	249	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3,4'-	508	pg/g	C			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3',4'-	87.5	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3',5'-	24.1	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3',5'-	147	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,3',6-	41.8	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,4',5-	789	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 2,4',6-	141	pg/g	J			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 3,3',4-	25.5	pg/g	JK	J	VJ	
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 3,4,4'-	248	pg/g				✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G04-2-3-08/16/2022	20452020	E1668	Trichlorobiphenyl; 3,4',5-	42.1	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	2-CHLOROBIPHENYL	271	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	4,4'-DICHLOROBIPHENYL	86	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Chlorobiphenyl; 3-	32.1	pg/g	BJ	U	MBL	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Chlorobiphenyl; 4-	125	pg/g	BJ	U	MBL	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	DECACHLOROBIPHENYL	217	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,2'-	88.7	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,3'-	57.6	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,4'-	181	pg/g	K	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 3,3'-	63.7	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 3,4-	48	pg/g	CJK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1700	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	539	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	269	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1610	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1010	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	78	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	220	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	365	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	662	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3510	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	13.4	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1170	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1930	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	5.27	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	75.3	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	331	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	67.2	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	684	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	364	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	5730	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1760	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	69.2	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	117	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1960	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	278	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	819	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	183	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	93.8	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	878	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1040	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	229	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	24.7	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	4580	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	26.5	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	5040	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	140	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	559	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	400	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	385	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	309	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	41.1	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	101	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	867	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	446	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	337	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	133	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	858	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	99.1	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	153	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	540	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	40.4	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	PCB-167	192	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	PCB-82	273	pg/g	K	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	258	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	935	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	430	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2070	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	4510	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	24.6	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	735	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	113	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1090	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	16	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	55.9	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	3800	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	22.6	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2130	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	115	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	656	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	95.6	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	39.9	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	279	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	4490	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	7.67	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	40	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	33	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	3000	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	38.5	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Polychlorinated Biphenyl (PCB)	82900	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	TETRACHLORO 1,1'-BIPHENYL	2480	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	440	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	337	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1470	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,5-	35.8	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	34.3	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',3,6-	99.8	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1230	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',4,5-	152	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',4,6-	63.6	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2230	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	441	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	17.6	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,3',6-	87.8	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	44.6	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1490	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,4',5-	50.4	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	44.1	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3',4,5-	20.9	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3,4',6-	446	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	80	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 2,3',5',6-	13.4	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	69.7	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	60.2	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,2',3-	79.1	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,2',4-	155	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,2',5-	218	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,2',6-	23.8	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3,3'-	554	pg/g	C			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3,4'-	108	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3,4-	221	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3',4-	35.4	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3',5'-	8.46	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3',5-	59.8	pg/g	CJ			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,3',6-	20.1	pg/g	JK	J	VJ	
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,4',5-	304	pg/g				✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 2,4',6-	78.5	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 3,4,4'-	115	pg/g	J			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G04-3-4-08/16/2022	20452021	E1668	Trichlorobiphenyl; 3,4',5-	20.1	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	2-CHLOROBIPHENYL	8.08	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	4,4'-DICHLOROBIPHENYL	22.8	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Chlorobiphenyl; 4-	9.95	pg/g	BJK	U	MBL	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	DECACHLOROBIPHENYL	34.7	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,4'-	34.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 3,3'-	168	pg/g	B	U	MBL	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	256	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	88.1	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	46.5	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	265	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	175	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	13.9	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	37.6	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	63	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	122	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	591	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	200	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	343	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	10.4	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	53.9	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	11.1	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	112	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	74.9	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	999	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	320	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	27.3	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	375	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	55.4	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	154	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	30.6	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	19.7	pg/g	CJK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	138	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	210	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	38.4	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	6.21	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	878	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	5.19	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	944	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	30.6	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	93.6	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	63.2	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	73.7	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	59.8	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	8	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	18.6	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	162	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	71.8	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	67.9	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	25	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	170	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	21.4	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	32.5	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	96	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	8.88	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	PCB-167	31.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	PCB-82	54.3	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	51.5	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	199	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	90	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	424	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	927	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	167	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	24.1	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	227	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	13.4	pg/g	CJK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	739	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	5.61	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	473	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	26.5	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	123	pg/g	J	J	MSH,MSP	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	19.2	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	62.7	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	966	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	8.65	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	8.49	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	649	pg/g		J	MSH,MSP	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Polychlorinated Biphenyl (PCB)	17200	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	TETRACHLORO 1,1'-BIPHENYL	701	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	129	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	102	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	396	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	11.8	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	13.6	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	36.9	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	339	pg/g	C			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	45.4	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	23.1	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	568	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	133	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	30.4	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	15.7	pg/g	BJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	452	pg/g				✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	14.8	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	14.1	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	120	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	22.2	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	10.2	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	18.7	pg/g	BJK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	13.6	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,2',3'-	25.3	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,2',4'-	51.3	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,2',5'-	75.9	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,2',6'-	11.9	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3,3'-	196	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3,4'-	37.6	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3,4'-	81.4	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3',4'-	14.1	pg/g	JK	J	VJ	
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3',5-	24.5	pg/g	CJ			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,3',6-	6.26	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,4',5-	113	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 2,4',6-	26.7	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 3,4,4'-	43.3	pg/g	J			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G04-4-5-08/16/2022	20452022	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	2-CHLOROBIPHENYL	11.7	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	4,4'-DICHLOROBIPHENYL	29.7	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Chlorobiphenyl; 4-	9.22	pg/g	BJK	U	MBL	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	DECACHLOROBIPHENYL	44.1	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,3'-	15.7	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,4'-	43.5	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 3,3'-	137	pg/g	B	U	MBL	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 3,4-	19.1	pg/g	CJK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	436	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	147	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	74.4	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	450	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	289	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	20.6	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	63.8	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	103	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	199	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	956	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6'-	323	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	567	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	17.2	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	85.8	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	16.9	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	240	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	134	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	1820	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	603	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	22.6	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	39.2	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	617	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	100	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	269	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	69.5	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	31.3	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	272	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	326	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	71.1	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	8.52	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	1520	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	7.95	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	1620	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	44.3	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	174	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	123	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	11.3	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	129	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	86	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	12	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	26.8	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	214	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	114	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	88.7	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	40.3	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	245	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	29.3	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	48.2	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	152	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	10.9	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	PCB-167	55.4	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	PCB-82	116	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	100	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	363	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	167	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	816	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1610	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	269	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	46.9	pg/g	CJK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	384	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	19.8	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1350	pg/g		J	FDPR	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	8.86	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	782	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	41.2	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	247	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	36.5	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	16.1	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	101	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1740	pg/g	C	J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	16	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	15.9	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1120	pg/g		J	FDPR	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	15.6	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Polychlorinated Biphenyl (PCB)	28500	pg/g	J	J	FDPR	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	TETRACHLORO 1,1'-BIPHENYL	1080	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	180	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	151	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	590	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,5-	19.2	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	17.8	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	497	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',4,5-	67	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',4,6-	34.3	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	865	pg/g		J	FDPA	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	206	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,3',4-	11.9	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	8.52	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,3',6-	42.8	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	21.9	pg/g	BJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	666	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,4',5-	21	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	16.5	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3',4,5-	9.46	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3,4',6-	187	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	33	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 2,3',5',6-	11.7	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	33.1	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	22.6	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,2',3-	32.6	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,2',4-	73.7	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,2',5-	100	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,2',6-	12.6	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3,3'-	256	pg/g	C			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3,4'-	50.4	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3,4-	111	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3',4-	16.2	pg/g	JK	J	VJ	
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3',5'-	5.96	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3',5-	27.5	pg/g	CJ			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,3',6-	6.39	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,4',5-	147	pg/g				✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 2,4',6-	35.2	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 3,4,4'-	53.5	pg/g	J			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-G04-5-6-08/16/2022	20452025	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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11107 Sunset Hills Rd. Suite 400
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Prepared by:

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EcoChem Project: C28601-1

SDG: 20454

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of summary review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	EPA 1668C	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20454	FD-46-08/19/2022	20454001	SE	✓
20454	SIB-SC-J03-0-1-08/19/2022	20454002	SE	✓
20454	SIB-SC-J03-1-2-08/19/2022	20454003	SE	✓
20454	SIB-SC-J03-2-3-08/19/2022	20454004	SE	✓
20454	SIB-SC-J03-3-4-08/19/2022	20454005	SE	✓
20454	SIB-SC-J03-4-5-08/19/2022	20454006	SE	✓
20454	SIB-SC-J03-5-6-08/19/2022	20454007	SE	✓
20454	SIB-SC-L07-1-2-08/21/2022	20454008	SE	✓
20454	SIB-SC-L07-2-3-08/21/2022	20454009	SE	✓
20454	SIB-SC-L07-3-4-08/21/2022	20454012	SE	✓
20454	SIB-SC-L07-4-5-08/21/2022	20454013	SE	✓
20454	SIB-SC-L07-5-6-08/21/2022	20454014	SE	✓
20454	FD-49-08/21/2022	20454015	SE	✓
20454	SIB-SC-R06-1-2-08/22/2022	20454016	SE	✓
20454	SIB-SC-R06-2-3-08/22/2022	20454017	SE	✓
20454	SIB-SC-R06-3-4-08/22/2022	20454018	SE	✓
20454	SIB-SC-R06-4-5-08/22/2022	20454019	SE	✓
20454	SIB-SC-R06-5-6-08/22/2022	20454020	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20454	18 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 10 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. For 6 samples, the "sample_name" field is not populated. All sample IDs in the "sys_sample_code" field match the chain-of-custody (COC).

For Sample FD-46-08192022, the collection time on the COC is recorded as 14:09. The EDD lists the collection time as 14:05.

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	2	Field Duplicates
2	Laboratory Blanks	✓	Target Analyte List
1	Field Blanks	1	Reporting Limits
✓	Labeled Compound Recovery	2	Compound Identification
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	✓	Compound Quantitation
✓	Laboratory Control Samples (LCS/LCSD)	1	Field Replicates
1	Certified Reference Material		

✓ *Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 51384: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
FD-46-08/19/2022	PCB-209	U-MBL	PCB-32	U-MBL
	PCB-206	U-MBL	PCB-8	U-MBL
	PCB-194	U-MBL	PCB-1	U-MBL
	PCB-170	U-MBL	PCB-11	U-MBL
	PCB-208	U-MBL	PCB-110/115	U-MBL
	PCB-17	U-MBL	PCB-128/166	U-MBL
	PCB-52	U-MBL	PCB-129/138/163	U-MBL
	PCB-19	U-MBL	PCB-156/157	U-MBL
	PCB-4	U-MBL	PCB-18/30	U-MBL
	PCB-105	U-MBL	PCB-197/200	U-MBL
	PCB-56	U-MBL	PCB-198/199	U-MBL
	PCB-167	U-MBL	PCB-20/28	U-MBL
	PCB-118	U-MBL	PCB-21/33	U-MBL
	PCB-66	U-MBL	PCB-26/29	U-MBL
	PCB-64	U-MBL	PCB-40/71	U-MBL
	PCB-22	U-MBL	PCB-44/47/65	U-MBL
	PCB-27	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-31	U-MBL	PCB-86/87/97/109/119/125	U-MBL
SIB-SC-J03-0-1-08/19/2022	PCB-11	U-MBL		
SIB-SC-J03-1-2-08/19/2022	PCB-11	U-MBL		
SIB-SC-J03-2-3-08/19/2022	PCB-11	U-MBL		
SIB-SC-J03-3-4-08/19/2022	PCB-4	U-MBL	PCB-11	U-MBL
SIB-SC-J03-4-5-08/19/2022	PCB-4	U-MBL	PCB-11	U-MBL
	PCB-1	U-MBL		

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-J03-5-6-08/19/2022	PCB-19	U-MBL	PCB-8	U-MBL
	PCB-4	U-MBL	PCB-1	U-MBL
	PCB-27	U-MBL	PCB-11	U-MBL
SIB-SC-L07-1-2-08/21/2022	PCB-19	U-MBL	PCB-1	U-MBL
	PCB-4	U-MBL	PCB-11	U-MBL
	PCB-8	U-MBL		
SIB-SC-L07-2-3-08/21/2022	PCB-206	U-MBL	PCB-8	U-MBL
	PCB-17	U-MBL	PCB-1	U-MBL
	PCB-19	U-MBL	PCB-11	U-MBL
	PCB-4	U-MBL	PCB-108/124	U-MBL
	PCB-56	U-MBL	PCB-156/157	U-MBL
	PCB-167	U-MBL	PCB-18/30	U-MBL
	PCB-64	U-MBL	PCB-197/200	U-MBL
	PCB-22	U-MBL	PCB-20/28	U-MBL
	PCB-27	U-MBL	PCB-21/33	U-MBL
	PCB-31	U-MBL	PCB-26/29	U-MBL
	PCB-32	U-MBL	PCB-40/71	U-MBL
SIB-SC-L07-3-4-08/21/2022	PCB-209	U-MBL	PCB-8	U-MBL
	PCB-206	U-MBL	PCB-11	U-MBL
	PCB-194	U-MBL	PCB-108/124	U-MBL
	PCB-17	U-MBL	PCB-128/166	U-MBL
	PCB-19	U-MBL	PCB-156/157	U-MBL
	PCB-4	U-MBL	PCB-18/30	U-MBL
	PCB-105	U-MBL	PCB-197/200	U-MBL
	PCB-56	U-MBL	PCB-198/199	U-MBL
	PCB-167	U-MBL	PCB-20/28	U-MBL
	PCB-118	U-MBL	PCB-21/33	U-MBL
	PCB-66	U-MBL	PCB-26/29	U-MBL
	PCB-22	U-MBL	PCB-40/71	U-MBL
	PCB-27	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-31	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-32	U-MBL		

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-L07-4-5-08/21/2022	PCB-209	U-MBL	PCB-1	U-MBL
	PCB-194	U-MBL	PCB-11	U-MBL
	PCB-170	U-MBL	PCB-110/115	U-MBL
	PCB-136	U-MBL	PCB-128/166	U-MBL
	PCB-187	U-MBL	PCB-129/138/163	U-MBL
	PCB-95	U-MBL	PCB-135/151	U-MBL
	PCB-17	U-MBL	PCB-147/149	U-MBL
	PCB-52	U-MBL	PCB-153/168	U-MBL
	PCB-19	U-MBL	PCB-156/157	U-MBL
	PCB-4	U-MBL	PCB-18/30	U-MBL
	PCB-105	U-MBL	PCB-198/199	U-MBL
	PCB-56	U-MBL	PCB-20/28	U-MBL
	PCB-167	U-MBL	PCB-21/33	U-MBL
	PCB-118	U-MBL	PCB-40/71	U-MBL
	PCB-66	U-MBL	PCB-44/47/65	U-MBL
	PCB-22	U-MBL	PCB-49/69	U-MBL
	PCB-31	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-32	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-8	U-MBL	PCB-90/101/113	U-MBL
SIB-SC-L07-5-6-08/21/2022	PCB-209	U-MBL	PCB-8	U-MBL
	PCB-206	U-MBL	PCB-1	U-MBL
	PCB-194	U-MBL	PCB-11	U-MBL
	PCB-208	U-MBL	PCB-110/115	U-MBL
	PCB-136	U-MBL	PCB-128/166	U-MBL
	PCB-95	U-MBL	PCB-135/151	U-MBL
	PCB-52	U-MBL	PCB-156/157	U-MBL
	PCB-4	U-MBL	PCB-18/30	U-MBL
	PCB-105	U-MBL	PCB-197/200	U-MBL
	PCB-56	U-MBL	PCB-20/28	U-MBL
	PCB-167	U-MBL	PCB-21/33	U-MBL
	PCB-118	U-MBL	PCB-40/71	U-MBL
	PCB-66	U-MBL	PCB-44/47/65	U-MBL
	PCB-64	U-MBL	PCB-49/69	U-MBL
	PCB-22	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-31	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-32	U-MBL	PCB-90/101/113	U-MBL
FD-49-08/21/2022	PCB-19	U-MBL	PCB-8	U-MBL
	PCB-4	U-MBL	PCB-1	U-MBL
	PCB-27	U-MBL	PCB-11	U-MBL
SIB-SC-R06-1-2-08/22/2022	PCB-4	U-MBL	PCB-8	U-MBL
	PCB-205	U-MBL	PCB-1	U-MBL

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-R06-2-3-08/22/2022	PCB-19	U-MBL	PCB-8	U-MBL
	PCB-4	U-MBL	PCB-1	U-MBL
	PCB-205	U-MBL	PCB-77	U-MBL
	PCB-27	U-MBL	PCB-108/124	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB08-08212022 and EB09-08242022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDG 20282. Several results were detected in EB08-08212022 and EB09-08242022, however; no data were qualified based on field blank contamination.

Matrix Spike/Matrix Spike Duplicates

Sample SIB-SC-L07-2-3-08/21/2022 was used for the matrix spike/matrix spike duplicate (MS/MSD) analyses. The MS/MSD percent recovery (%R) values for PCB-54 were greater than the upper control limit. This analyte was not detected in the parent sample; no data were qualified.

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field duplicates were submitted:

- SIB-SC-103-3-4-08192022 from SDG 20430 & FD-46-08/19/2022 from this SDG. Field precision was acceptable.
- SIB-SC-L07-1-2-08/21/2022 & FD-49-08/21/2022:

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-99	RPD	J-FDPR
PCB-105	RPD	J-FDPR
PCB-118	RPD	J-FDPR
PCB-177	Difference	J-FDPA
PCB-136	Difference	J-FDPA
PCB-141	Difference	J-FDPA
PCB-146	Difference	J-FDPA
PCB-66	Difference	J-FDPA
PCB-135/151	Difference	J-FDPA

ANALYTE	OUTLIER TYPE	QUALIFIER
PCB-44/47/65	Difference	J-FDPA
PCB-61/70/74/76	Difference	J-FDPA

Reporting Limits

The laboratory practical quantitation limits (PQL) were greater than those provided in the QAPP. Although some individual congeners were reported as not detected at elevated detection limits, the overall total PCB concentrations for most samples were greater than the site CUL.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as reported by the LCS/LCSD, matrix spike/matrix spike duplicate, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to field duplicate precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20454001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	2-CHLOROBIPHENYL	8.46	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Chlorobiphenyl; 3-	5.84	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Chlorobiphenyl; 4-	6.74	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	DECACHLOROBIPHENYL	6.2	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,2'-	49.9	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,4'-	31.5	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 3,3'-	108	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-46-08/19/2022	20454001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	11.9	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5.57	pg/g	CJK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	3.03	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	11.2	pg/g	BJK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	10	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2.84	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	5.13	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	8.6	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	27.4	pg/g	BCJ			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8.76	pg/g	CJK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	20.8	pg/g	BJ			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	3.25	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	4.01	pg/g	BCJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	39.8	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	14.8	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	33	pg/g	CJ			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	15.9	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	5.6	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	22	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	2.81	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	3.55	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	74.1	pg/g	CJ			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	3.28	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	60.7	pg/g	BCJ			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	11.2	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	5.02	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-	2.54	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	3.41	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	5.19	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	2.27	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	9.17	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	5.02	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2.95	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1.99	pg/g	BCJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	7.89	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	1.69	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	2.1	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	5.84	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	PCB-167	2.13	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	PCB-82		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	6.12	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	6.14	pg/g	CJK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	21.6	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	52.5	pg/g	BCJ			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	13.1	pg/g	CJ			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	14.3	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	6.03	pg/g	CJK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	41.7	pg/g	BJ			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	35.1	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5.62	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	33.3	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	18.5	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	4.34	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Polychlorinated Biphenyl (PCB)	1250	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	TETRACHLORO 1,1'-BIPHENYL	32.4	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	10.3	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	6.94	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	38.6	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	6.2	pg/g	CJ			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	30.3	pg/g	BCJ			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3.52	pg/g	CJ			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	35.9	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	7.45	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	16	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	10.7	pg/g	JK	J	VJ	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	5.6	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	5.13	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,2',4-	8.14	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,2',5-	8.82	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,2',6-	8.87	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3,3'-	22.4	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3,4'-	4.51	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3,4-	9.17	pg/g	BCJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3',4-	4.31	pg/g	J			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3',5-	4.15	pg/g	BCJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,3',6-	4.04	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,4',5-	14.8	pg/g	BJ	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 2,4',6-	7.43	pg/g	BJK	U	MBL	
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-46-08/19/2022	20454001	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	2-CHLOROBIPHENYL	154	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	4,4'-DICHLOROBIPHENYL	235	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Chlorobiphenyl; 3-	32.8	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Chlorobiphenyl; 4-	104	pg/g	JK	J	VJ	
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	DECACHLOROBIPHENYL	283	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,2'-	407	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,3'-	172	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,4'-	655	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,4-	32.3	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,5-	34.5	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 2,6-	25.8	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 3,3'-	210	pg/g	B	U	MBL	
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 3,4-	92.8	pg/g	CJ			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3410	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1160	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3200	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2720	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	143	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	505	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5,6'-	1140	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1600	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6720	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	48.5	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	45.5	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	2270	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	8.07	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	4950	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	16	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	139	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	629	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-	122	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	3210	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1550	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	21900	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	7630	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	314	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	672	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6730	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1360	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3020	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-	1010	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-	500	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2870	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	4410	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-	804	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	152	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	16300	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	7.75	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	80	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	16.5	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	17400	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	641	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.91	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2460	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1750	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1420	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	22.2	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	475	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	70.5	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	146	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1290	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	677	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	497	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	240	pg/g	CJ			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1570	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	240	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	345	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	905	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	56.7	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	PCB-167	726	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	PCB-82	1850	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1350	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	5510	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,3,4'-	2690	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	12200	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	22600	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	145	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3600	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	617	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5110	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	83.2	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	224	pg/g	CJ			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	19800	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	126	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	10900	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	407	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	4430	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	607	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	257	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1300	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	24900	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	33.1	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	293	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	184	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	16700	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	181	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	32	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	37.7	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Polychlorinated Biphenyl (PCB)	345000	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	TETRACHLORO 1,1'-BIPHENYL	14100	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2090	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1780	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,4-	91.4	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8330	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,5-	258	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	176	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	476	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7270	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',4,5-	579	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',4,6-	529	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	14900	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	6.88	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1870	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	131	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,3',6-	429	pg/g	CJ			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	313	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7390	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,4',5-	230	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	301	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3',4,5-	77.7	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2270	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	485	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	247	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,2',3-	352	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,2',4-	677	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,2',5-	1020	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,2',6-	120	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3,3'-	2520	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3,4'-	482	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3,4-	1220	pg/g	C			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3',4-	269	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3',5'-	40.8	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3',5-	321	pg/g	CJ			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,3',6-	97.3	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,4',5-	1720	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 2,4',6-	389	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 3,3',4-	42.6	pg/g	J			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 3,4,4'-	377	pg/g				✓
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-0-1-08/19/2022	20454002	E1668	Trichlorobiphenyl; 3,4',5-	104	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	2-CHLOROBIPHENYL	103	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	4,4'-DICHLOROBIPHENYL	325	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Chlorobiphenyl; 3-	26.2	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Chlorobiphenyl; 4-	92.4	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	DECACHLOROBIPHENYL	1620	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,2'-	281	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,3'-	301	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,4'-	883	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,4-	40.1	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,5-	40.7	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 2,6-	10.3	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 3,3'-	171	pg/g	B	U	MBL	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 3,4-	115	pg/g	CJK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	12000	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	4020	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	2000	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	11500	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	7640	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	484	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1550	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	2450	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	4840	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	25700	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	91.9	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	103	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	8870	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	7.45	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	13800	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	28.5	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	415	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	2250	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	403	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6370	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3350	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	47400	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	15100	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	580	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	985	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	15100	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	2450	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	6700	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	1970	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	904	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	6500	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	8460	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1810	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	168	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	37900	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	10.8	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	223	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	30.3	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	42100	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1270	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	8.33	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	4820	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	3410	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	203	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	2910	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	20.8	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1840	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	242	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	516	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	5320	pg/g				✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2860	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	2170	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	879	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	5770	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	694	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	932	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	3690	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	243	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	PCB-167	1480	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	PCB-82	3340	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	2330	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	9040	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4700	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	22100	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	41600	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	194	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	6760	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	939	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	9390	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	109	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	416	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	33600	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	189	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	20800	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	928	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	4.62	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8860	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	1140	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	423	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	2410	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	43200	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	45	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	476	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	288	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	30200	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	317	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	11.3	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	68.7	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Polychlorinated Biphenyl (PCB)	716000	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	TETRACHLORO 1,1'-BIPHENYL	26100	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3640	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	3040	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,4-	680	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	14300	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,5-	317	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	274	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	782	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	11500	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',4,5-	1090	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	761	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	26000	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	9.14	pg/g	JK	J	VJ	
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3580	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	161	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,3',6-	622	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	588	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	12500	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,4',5-	343	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	391	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3',4,5-	136	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3,4',6-	3890	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	706	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	407	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,2',3-	692	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,2',4-	1530	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,2',5-	2220	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,2',6-	178	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3,3'-	5490	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3,4'-	1020	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3,4-	2680	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3',4-	397	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3',5'-	91.9	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3',5-	531	pg/g	C			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,3',6-	180	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,4',5-	3840	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 2,4',6-	645	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 3,3',4-	62.3	pg/g	J			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 3,4,4'-	723	pg/g				✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-J03-1-2-08/19/2022	20454003	E1668	Trichlorobiphenyl; 3,4',5-	161	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	2-CHLOROBIPHENYL	44.2	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	4,4'-DICHLOROBIPHENYL	156	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Chlorobiphenyl; 3-	16.1	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Chlorobiphenyl; 4-	39.9	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	DECACHLOROBIPHENYL	2770	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,2'-	167	pg/g	BJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,3'-	116	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,4'-	380	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,4-	18	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,5-	21.2	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 3,3'-	164	pg/g	B	U	MBL	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 3,4-	64	pg/g	CJK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	8190	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	2800	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	1370	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	8580	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	5740	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	352	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	1120	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1890	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3700	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	18700	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	62.6	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	47.7	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	6540	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	6.43	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	10300	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	27.6	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	266	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	1580	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	272	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2620	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1780	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	26600	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	8270	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	232	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	820	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	11100	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1320	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	4300	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	663	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	475	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	3920	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	6290	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	1160	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	207	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	24600	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	149	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	10.8	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	27300	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	964	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	9.44	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1950	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1540	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	69.2	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1700	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	23.5	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1670	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	207	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	528	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3880	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	2080	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1580	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	623	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	4220	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	487	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	686	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2610	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	170	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	PCB-167	650	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	PCB-82	1250	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	1030	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3540	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1940	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	9050	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	21500	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	81.5	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3240	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	424	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	5610	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	48.2	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	270	pg/g	CJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	16200	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	81.4	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	10700	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	670	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	3.1	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2990	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	431	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	179	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	1280	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	19700	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	48.1	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	186	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	126	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	12800	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	240	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	12.4	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	24.5	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Polychlorinated Biphenyl (PCB)	396000	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	TETRACHLORO 1,1'-BIPHENYL	12100	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1630	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1360	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,4-	71.7	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6200	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,5-	154	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	104	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	296	pg/g	CJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5620	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',4,5-	517	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	272	pg/g	CJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	10600	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	5.98	pg/g	JK	J	VJ	
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1920	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	101	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	321	pg/g	CJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	259	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6340	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	207	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	261	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	76.2	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1700	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	437	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	201	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,2',3'-	265	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,2',4'-	594	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,2',5'-	868	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,2',6'-	81.1	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3,3'-	2470	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3,4'-	457	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3,4'-	1090	pg/g	C			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3',4'-	174	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3',5'-	37.1	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3',5'-	246	pg/g	CJ			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,3',6'-	66	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,4',5'-	1620	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 2,4',6'-	247	pg/g				✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 3,3',4'-	29.7	pg/g	J			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 3,4,4'-	326	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-J03-2-3-08/19/2022	20454004	E1668	Trichlorobiphenyl; 3,4,5-	76.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	2-CHLOROBIPHENYL	23	pg/g	BJK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	4,4'-DICHLOROBIPHENYL	49	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Chlorobiphenyl; 3-	13.2	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Chlorobiphenyl; 4-	15	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	DECACHLOROBIPHENYL	843	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,2'-	87.4	pg/g	BJ	U	MBL	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,3'-	36.2	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,4'-	137	pg/g	B			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 3,3'-	120	pg/g	BJ	U	MBL	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 3,4-	28.6	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3410	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1140	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	608	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3300	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2240	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	139	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	735	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1340	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	7110	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	26	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	22.5	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2440	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	409	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3740	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	15.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	124	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	608	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	120	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	819	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	645	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	9740	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3060	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	85.5	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	332	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4470	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	506	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1960	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	148	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	136	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1690	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2640	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	493	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	90.8	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10600	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	116	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	2.9	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	10500	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	540	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.22	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	685	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	622	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	31.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	707	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	10.9	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	764	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	82.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	254	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1420	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	700	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	564	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	215	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1460	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	174	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	244	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	830	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	273	pg/g	K	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	PCB-167	265	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	PCB-82	211	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	249	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	850	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	361	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2090	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	6670	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	16	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1260	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	134	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1790	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	16.9	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	213	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5550	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	28.6	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3300	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	279	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	3.06	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	461	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	89.5	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	35.6	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	325	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	5050	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	25.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	24.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	21.2	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	2650	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	133	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	8.27	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	6.64	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	7.35	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Polychlorinated Biphenyl (PCB)	132000	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	TETRACHLORO 1,1'-BIPHENYL	2310	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	390	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	295	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,4-	11	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1770	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	21.9	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	70	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1710	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',4,5-	95.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	74.1	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2480	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	4	pg/g	JK	J	VJ	
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	347	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	32.8	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,3',6-	73	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	38.4	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1240	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,4',5-	52.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	253	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3',4,5-	25.5	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	331	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	222	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 2,3',5',6-	20.9	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	48.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	11.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,2',3-	58.4	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,2',4-	136	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,2',5-	176	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,2',6-	39.7	pg/g	BJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3,3'-	503	pg/g	C			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3,4'-	78.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3,4-	205	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3',4-	66.4	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3',5'-	10.1	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3',5-	80.2	pg/g	CJ			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,3',6-	27.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,4',5-	312	pg/g				✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 2,4',6-	82.3	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 3,3',4-	22.7	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 3,4,4'-	63.3	pg/g	J			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-J03-3-4-08/19/2022	20454005	E1668	Trichlorobiphenyl; 3,4',5-	27.2	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	2-CHLOROBIPHENYL	8.41	pg/g	BJK	U	MBL	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	4,4'-DICHLOROBIPHENYL	37.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Chlorobiphenyl; 3-	11.7	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Chlorobiphenyl; 4-	11.8	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	DECACHLOROBIPHENYL	2460	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,2'-	79	pg/g	BJ	U	MBL	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,4'-	119	pg/g	BJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 3,3'-	108	pg/g	BJ	U	MBL	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1730	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	616	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	318	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1970	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1290	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	82.8	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	245	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	441	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	882	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4400	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	16.3	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	11.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1580	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2590	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	11.1	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	53.2	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	321	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	53.8	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	341	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	342	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	4720	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1320	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	33.6	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	232	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2380	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	214	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1140	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	73	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	91	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	674	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1700	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	216	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	77.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	6140	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	89.5	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	4.43	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	6180	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	407	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.82	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	261	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	210	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	19.5	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	308	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1620	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	144	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	634	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1020	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	560	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	386	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	176	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1440	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	163	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	305	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	849	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	42.5	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	PCB-167	102	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	PCB-82	126	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	174	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	436	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	263	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1160	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	3830	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	13.8	pg/g	JK	J	VJ	

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	921	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	122	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1170	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	31.6	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	171	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2980	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	21.7	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2350	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	225	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	315	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	55.8	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	28	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	274	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2930	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	25.3	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	22.1	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	21.8	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1710	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	99.3	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	5.86	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Polychlorinated Biphenyl (PCB)	85300	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	TETRACHLORO 1,1'-BIPHENYL	2240	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	427	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	215	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,4-	43.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1400	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,5-	77.9	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	18.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	62.5	pg/g	CJK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1140	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',4,5-	117	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	69.1	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1340	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	7.44	pg/g	JK	J	VJ	
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	417	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	25.4	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,3',5-	33.8	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,3',6-	89.9	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	47	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1270	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,4',5-	155	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	170	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3',4,5-	43.1	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	229	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	155	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	87.3	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	8.99	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,2',3-	25.7	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,2',4-	125	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,2',5-	75.6	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,2',6-	89.6	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3,3'-	539	pg/g	C			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3,4'-	65.2	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3,4-	112	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3',4-	81.5	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3',5'-	10.9	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3',5-	83.8	pg/g	CJ			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,3',6-	108	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,4',5-	247	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 2,4',6-	182	pg/g				✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 3,3',4-	18.6	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 3,4,4'-	57.3	pg/g	J			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-J03-4-5-08/19/2022	20454006	E1668	Trichlorobiphenyl; 3,4',5-	19.3	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	2-CHLOROBIPHENYL	11	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	4,4'-DICHLOROBIPHENYL	16.8	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Chlorobiphenyl; 3-	10.3	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Chlorobiphenyl; 4-	10.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	DECACHLOROBIPHENYL	1950	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,2'-	56.1	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,3'-	13.7	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,4'-	49.6	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 3,3'-	85.9	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	814	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	291	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	153	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	954	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	596	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	42.7	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	126	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	229	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	456	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	2160	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	8.04	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	5.18	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	772	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1420	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	5.61	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	26.9	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	148	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	24.7	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	223	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	182	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2590	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	739	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	18.7	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	78.4	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1160	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	109	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	512	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	43.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	39.6	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	355	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	688	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	113	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	17.4	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2800	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	26	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3050	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	130	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	2.61	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	157	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	109	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	6.47	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	169	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1270	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	110	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	513	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	581	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	342	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	197	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	106	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	946	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	99.6	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	220	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	548	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	24	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	PCB-167	57.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	PCB-82	74.9	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	90.8	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	280	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	132	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	692	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1970	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	5.71	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	392	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	47.8	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	541	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	5.74	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	46.3	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1570	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	9.57	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1090	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	81.7	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	182	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	28.9	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	15.3	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	128	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1750	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	6.47	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	6.93	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	8.5	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1010	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	31.4	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Polychlorinated Biphenyl (PCB)	43400	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	TETRACHLORO 1,1'-BIPHENYL	827	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	126	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	108	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,4-	14.6	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	524	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,5-	9.23	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	8.62	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	24.2	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	512	pg/g	C			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',4,5-	30.1	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',4,6-	21.8	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	766	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	145	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	12.8	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,3',5-	5.77	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,3',6-	26.8	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	15.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	406	pg/g				✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,4',5-	16	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	44.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3',4,5-	7.55	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3,4',6-	108	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	52.5	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 2,3',5',6-	8.74	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	16.6	pg/g	BJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,2',3-	18.3	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,2',4-	40.8	pg/g	BJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,2',5-	57.7	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,2',6-	14.6	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3,3'-	144	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3,4'-	28.2	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3,4-	74.2	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3',4-	16.1	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3',5'-	3.56	pg/g	JK	J	VJ	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3',5-	22.5	pg/g	CJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,3',6-	7.49	pg/g	BJ	U	MBL	
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,4',5-	100	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 2,4',6-	23.1	pg/g	BJ			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 3,3',4-	6.57	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 3,4,4'-	22.1	pg/g	J			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-J03-5-6-08/19/2022	20454007	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	2-CHLOROBIPHENYL	7.97	pg/g	BJ	U	MBL	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	4,4'-DICHLOROBIPHENYL	33.8	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Chlorobiphenyl; 4-	6.02	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	DECACHLOROBIPHENYL	20.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,2'-	40.3	pg/g	BJ	U	MBL	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,3'-	10.8	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,4'-	53.8	pg/g	BJ	U	MBL	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 3,3'-	37.5	pg/g	BJ	U	MBL	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 3,4-	7.36	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	902	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	316	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	157	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	893	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	556	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	39	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	119	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	188	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	380	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1970	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	9.45	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	10.9	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	697	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1130	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	5.74	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	36.1	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	177	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	37.6	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	665	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	297	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	4760	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1610	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	60.2	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	87.9	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1530	pg/g	C	J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	290	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	661	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	198	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	80.6	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	664	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	712	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	181	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	19	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	3470	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	25.3	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	7.29	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	3760	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	91	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	2.62	pg/g	JK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	521	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	374	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	10.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	304	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	4.63	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	169	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	22.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	45.2	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	403	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	226	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	158	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	75.8	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	493	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	60.3	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	100	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	307	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	18.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	PCB-167	155	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	PCB-82	435	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	308	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1060	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	607	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	2700	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	4610	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	39.7	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	775	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	132	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1030	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	33.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	145	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	3830	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	57.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2190	pg/g		J	FDPR	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	134	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	5.65	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1160	pg/g		J	FDPR	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	124	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	56.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	308	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	5110	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	5.07	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	72	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	41.8	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4090	pg/g		J	FDPR	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	30.6	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	5.55	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	6.36	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Polychlorinated Biphenyl (PCB)	74300	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	TETRACHLORO 1,1'-BIPHENYL	2800	pg/g	C	J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	478	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	283	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,4-	41.6	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1970	pg/g	C	J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,5-	47.7	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	44.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',3,6-	292	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1390	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',4,5-	147	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',4,6-	240	pg/g	CK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	2780	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	18.6	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	479	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,3',4-	19.7	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	14.1	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,3',5-	7.16	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,3',6-	37.3	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	120	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1330	pg/g		J	FDPA	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,4',5-	61.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	38.7	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3',4,5-	19.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3,4',6-	483	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	45.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 2,3',5',6-	38.9	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	48.5	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,2',3-	49.4	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,2',4-	89.5	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,2',5-	174	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,2',6-	21	pg/g	BJ	U	MBL	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3,3'-	391	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3,4'-	83.1	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3,4-	200	pg/g	C			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3',5'-	4.98	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3',5-	33.3	pg/g	CJ			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,3',6-	13.5	pg/g	BJK	J	VJ	
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,4',5-	275	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 2,4',6-	93.9	pg/g				✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 3,4,4'-	60.8	pg/g	J			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L07-1-2-08/21/2022	20454008	E1668	Trichlorobiphenyl; 3,4',5-	10.2	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	2-CHLOROBIPHENYL	2.77	pg/g	BJK	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Chlorobiphenyl; 3-	2.12	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Chlorobiphenyl; 4-	1.81	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,2'-	28.6	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,4'-	10	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 3,3'-	26.7	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	33	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	11	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	6.18	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	32.3	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	20.1	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	4.54	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	7.55	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	14.2	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	73.3	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	26.6	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	37.5	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	1.99	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	6.7	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	1.64	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	14.1	pg/g	BCJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	8.21	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	134	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	40.2	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	51.2	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	7.07	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	19.3	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	4.85	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	2.42	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	21.5	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	23.3	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	7.09	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	106	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	1.42	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	KU	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	124	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	3.45	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	12.7	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	10.9	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	8.47	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	5.11	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	16.5	pg/g	BJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	8.25	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	6.09	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	3.01	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	16	pg/g	BCJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	2.92	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.82	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	10.2	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	PCB-167	4.89	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	PCB-82	10.5	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	8.32	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	21.8	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	15.6	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	63.2	pg/g	BCJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	135	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	23.7	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	4.93	pg/g	CJK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	29.3	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	9.6	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	101	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	4.39	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	61.1	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	9.25	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	1.05	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	23.2	pg/g	BJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	3.47	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	6.24	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	118	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	90	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Polychlorinated Biphenyl (PCB)	2250	pg/g	J			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	TETRACHLORO 1,1'-BIPHENYL	64.8	pg/g	BCJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	16.1	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	6.94	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	78.8	pg/g	BCJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',3,6-	20.3	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	64.2	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',4,5-	4.17	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',4,6-	15	pg/g	CJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	87.3	pg/g	BJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	10.8	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,3',6-	3.32	pg/g	CJK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	2.68	pg/g	JK	J	VJ	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	31.5	pg/g	BJ			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3,4',6-	12.5	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,2',4-	6.4	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,2',5-	6.33	pg/g	BCJK	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,2',6-	7.12	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3,3'-	15.4	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3,4'-	3.54	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3,4-	7.25	pg/g	BCJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3',5-	2.2	pg/g	BCJK	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,3',6-	3.16	pg/g	BJK	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,4',5-	9.34	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 2,4',6-	7.12	pg/g	BJ	U	MBL	
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L07-2-3-08/21/2022	20454009	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	DECACHLOROBIPHENYL	2.66	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,2'-	26.4	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,4'-	12.6	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 3,3'-	50.7	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	24.6	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	8.81	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	5.1	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	22	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	15.7	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	2.69	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	6.24	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	10.4	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-		pg/g	CU			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	19	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	26.3	pg/g	BJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	1.89	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	5.44	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	1.93	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6.83	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	5.35	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	71	pg/g	BCJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	20.6	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	31.7	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	15.2	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	9.4	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	16.6	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	3.39	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	64.8	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	2.96	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	68.9	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	4.14	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7.08	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5.08	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	5.24	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	4.44	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	1.78	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	13.1	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	5.99	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	5.37	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	2.69	pg/g	BCJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	11.1	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	2.16	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.66	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	7.12	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	PCB-167	3.19	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	PCB-82	4.71	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	4.37	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	11.5	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4.83	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	30.7	pg/g	BCJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	59.8	pg/g	BCJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	25.1	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	14.7	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	12	pg/g	CJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	56.9	pg/g	BJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	5.65	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	28.4	pg/g	BJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	13	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	1.8	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	8.29	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	2.75	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	3.14	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	47.1	pg/g	BCJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	33.7	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Polychlorinated Biphenyl (PCB)	1440	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	TETRACHLORO 1,1'-BIPHENYL	34	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	17.4	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	5.6	pg/g	J			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	89.7	pg/g	BCJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',3,6-	22.4	pg/g	CJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	70.4	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',4,6-	19.3	pg/g	CJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	57	pg/g	BJ			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	6.21	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	5.8	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,3',6-	4.23	pg/g	CJK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	17.3	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	2.78	pg/g	JK	J	VJ	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 2,3',5,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,2',4-	8.45	pg/g	BJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,2',5-	7.28	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,2',6-	7.94	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3,3'-	16.4	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3,4'-	4.19	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3,4-	7.08	pg/g	BCJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3',5-	3.26	pg/g	BCJ	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,3',6-	3.35	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,4',5-	9.63	pg/g	BJK	U	MBL	
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 2,4',6-	7.81	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L07-3-4-08/21/2022	20454012	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	2-CHLOROBIPHENYL	3.41	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Chlorobiphenyl; 4-	3	pg/g	JK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	DECACHLOROBIPHENYL	3.96	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,2'-	26.2	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,4'-	11.9	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 3,3'-	61.9	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3.96	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	4.05	pg/g	CJ			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4.6	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	2.55	pg/g	BCJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	15.3	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5.84	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	6.17	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3.22	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2.67	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2.81	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	10.5	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	13.2	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2.69	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.46	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3.19	pg/g	BCJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	PCB-167	2.1	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	PCB-82		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	3.12	pg/g	JK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	2.67	pg/g	CJ			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11.9	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	17	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3.58	pg/g	CJ			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	3.86	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	14.2	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	6.77	pg/g	BJ			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5.01	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	15.2	pg/g	BCJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	11.2	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Polychlorinated Biphenyl (PCB)	434	pg/g	J			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	TETRACHLORO 1,1'-BIPHENYL	17	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	4.98	pg/g	BCJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	19.5	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3.72	pg/g	CJK	J	VJ	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10.8	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	3	pg/g	CJ			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	19.2	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3.98	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	7.22	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,2',4-	6.27	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,2',5-	5.77	pg/g	BCJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,2',6-	7.99	pg/g	BJK	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3,3'-	11.7	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3,4'-	5.03	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3,4-	5.32	pg/g	BCJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,4',5-	6.6	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 2,4',6-	4.86	pg/g	BJ	U	MBL	
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L07-4-5-08/21/2022	20454013	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	2-CHLOROBIPHENYL	2.93	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	DECACHLOROBIPHENYL	4.35	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,2'-	23.3	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,4'-	10.6	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 3,3'-	74.1	pg/g	BJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	22.8	pg/g	BJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	7.66	pg/g	CJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	4.94	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	22.5	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	14.7	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	3.21	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	4.58	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	7.53	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	60.6	pg/g	CJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	23.1	pg/g	CJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	23.9	pg/g	BJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	2.27	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	4.9	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6.23	pg/g	BCJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	3.04	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	51.5	pg/g	BCJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	10.7	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	10.4	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3.66	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	7.75	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	6.87	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	24.7	pg/g	BCJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	47.8	pg/g	BCJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	8.3	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	4.77	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	3.08	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	7.17	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	3.19	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	12.6	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	6.42	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	4.94	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	3.38	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	13.7	pg/g	BCJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	2.5	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	4.28	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	8.8	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	PCB-167	3.75	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	PCB-82		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	4.43	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	11.1	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	17.8	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	3.15	pg/g	CJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4.64	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	15.9	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	8.65	pg/g	BJ			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	5.03	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	16.7	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	17	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Polychlorinated Biphenyl (PCB)	800	pg/g	J			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	TETRACHLORO 1,1'-BIPHENYL	16.1	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	3.75	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	16.5	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',3,6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	8.52	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	18.5	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	3.36	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	2.08	pg/g	JK	J	VJ	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	6.38	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2.89	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,2',4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,2',5-	5.61	pg/g	BCJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3,3'-	12.1	pg/g	BCJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3,4'-	4.07	pg/g	BJ	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3,4-	5.65	pg/g	BCJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,4',5-	7.64	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 2,4',6-	4.32	pg/g	BJK	U	MBL	
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-L07-5-6-08/21/2022	20454014	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	2-CHLOROBIPHENYL	6.54	pg/g	BJK	U	MBL	
FD-49-08/21/2022	20454015	E1668	4,4'-DICHLOROBIPHENYL	32.6	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Chlorobiphenyl; 3-	5.98	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Chlorobiphenyl; 4-	6.75	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	DECACHLOROBIPHENYL	12.8	pg/g	BJ			✓
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,2'-	28.7	pg/g	BJK	U	MBL	
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,3'-	11.2	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,4'-	53.9	pg/g	BJ	U	MBL	
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 3,3'-	89.7	pg/g	BJ	U	MBL	
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 3,4-	6.49	pg/g	CJK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	584	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	202	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	102	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	595	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	363	pg/g		J	FDPA	
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	29.2	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	85.7	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	137	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	271	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1300	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	6.86	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	442	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	781	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	22.3	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	117	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	23.2	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	386	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	185	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	3000	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	1010	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	38.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	56.3	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1020	pg/g	C	J	FDPA	
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	141	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	411	pg/g		J	FDPA	
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	110	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	50.9	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	455	pg/g		J	FDPA	
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	461	pg/g		J	FDPA	
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	129	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	12.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2430	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	14.6	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	5.03	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2470	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	57.2	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	1.85	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	286	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	243	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	8.86	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	195	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-49-08/21/2022	20454015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	66.8	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	9.67	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	18.3	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	237	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	138	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	101	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	48.5	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	272	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	36.5	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	54.1	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	171	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	12.8	pg/g	BJK	J	VJ	
FD-49-08/21/2022	20454015	E1668	PCB-167	89.9	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	PCB-82	289	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	178	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	665	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	377	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1700	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	2940	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	26.6	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	471	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	83.1	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	635	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	17	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	83.7	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2550	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	33.7	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1250	pg/g		J	FDPR	
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	84.5	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	4.36	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	673	pg/g		J	FDPR	
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	78.6	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	27.3	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	171	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	3160	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	35.9	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	28.2	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	2280	pg/g		J	FDPR	
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	18	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	4.01	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Polychlorinated Biphenyl (PCB)	48500	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	TETRACHLORO 1,1'-BIPHENYL	1930	pg/g	C	J	FDPA	
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	344	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	183	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,4-	39.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1390	pg/g	C	J	FDPA	
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	42.9	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',3,6-	266	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1050	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',4,5-	106	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',4,6-	276	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1950	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	15.6	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	356	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	8.44	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	106	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	912	pg/g		J	FDPA	
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,4',5-	40.2	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	26	pg/g	JK	J	VJ	
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3',4,5-	14.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3,4',6-	341	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	31.3	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 2,3',5',6-	21.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	36.7	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	22	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,2',3-	41.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,2',4-	82.4	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,2',5-	124	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,2',6-	18.8	pg/g	BJ	U	MBL	
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3,3'-	368	pg/g	C			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3,4'-	75.1	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3,4-	162	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3',4-	21.8	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3',5'-	4.36	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3',5-	31.5	pg/g	CJ			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,3',6-	13	pg/g	BJ	U	MBL	
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,4',5-	245	pg/g				✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 2,4',6-	102	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 3,4,4'-	68.1	pg/g	J			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-49-08/21/2022	20454015	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	2-CHLOROBIPHENYL	10.5	pg/g	BJ	U	MBL	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	4,4'-DICHLOROBIPHENYL	33	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Chlorobiphenyl; 3-	21.1	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Chlorobiphenyl; 4-	8.68	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	DECACHLOROBIPHENYL	74.4	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,2'-	70.8	pg/g	BJ	U	MBL	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,3'-	20.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,4'-	55	pg/g	BJ	U	MBL	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 3,3'-	242	pg/g	B			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 3,4-	13.9	pg/g	CJK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	176	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	63.3	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	37.4	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	220	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	139	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	9.34	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	30.2	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	58.6	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	109	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	435	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	140	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	318	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	6.43	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	33.8	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	7.45	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	87.8	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	55.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	768	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	234	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	8.82	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	25.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	317	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	29.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	123	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	22.2	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	16	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	102	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	188	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	30.2	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	6.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	741	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	6.43	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	2.46	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	753	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	32	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	53.8	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	48.9	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-	9.94	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	3.83	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	52.4	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	57	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	7.83	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	17.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	100	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	54.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	37.8	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	19.2	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	132	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	13.9	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	26.9	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	79.7	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	5.59	pg/g	BJ	U	MBL	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	PCB-167	22	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	PCB-82	53.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	36.4	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	131	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	81.9	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	318	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	603	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	135	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	23.5	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	160	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	25.9	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	556	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	10.9	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	322	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	29.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	3.13	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	129	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	15	pg/g	BCJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	7.76	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	43.6	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	645	pg/g	C			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	6.64	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	5.8	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	423	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	9.27	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Polychlorinated Biphenyl (PCB)	14400	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	TETRACHLORO 1,1'-BIPHENYL	582	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	141	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	88.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,4-	9.8	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	409	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	17.8	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	82.3	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	293	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	49.8	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	78.3	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	502	pg/g				✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	15.7	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	143	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	32.9	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	38.6	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	349	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	16.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	9.98	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	9.24	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	134	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	13.7	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 2,3',5',6-	8.96	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	25.6	pg/g	BJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	7.97	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,2',3-	33.3	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,2',4-	69.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,2',5-	84.8	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,2',6-	59.9	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3,3'-	243	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3,4'-	64.2	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3,4-	66.5	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3',4-	20.5	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3',5-	37.8	pg/g	CJ			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,3',6-	15.8	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,4',5-	147	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 2,4',6-	47.2	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 3,3',4-	9.13	pg/g	JK	J	VJ	
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 3,4,4'-	58.6	pg/g	J			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-R06-1-2-08/22/2022	20454016	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	2-CHLOROBIPHENYL	8.26	pg/g	BJK	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	4,4'-DICHLOROBIPHENYL	20.9	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Chlorobiphenyl; 3-	11.6	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Chlorobiphenyl; 4-	10.2	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	DECACHLOROBIPHENYL	64.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,2'-	56	pg/g	BJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,3'-	16.2	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,4'-	42.6	pg/g	BJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 3,3'-	250	pg/g	B			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	103	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	36.4	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	21.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	123	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	75.5	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	6.21	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	15.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	33	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	59	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	249	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	77.7	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	177	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	5.46	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	19.5	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	5.11	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	51.4	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	31.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	438	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	125	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	14.9	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	160	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	15.4	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	63.7	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	12.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	8.76	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	52.2	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	98.2	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	14.4	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	4.63	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	383	pg/g	C			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	4.25	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	416	pg/g	C			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	17.7	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	30.8	pg/g	BCJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	27.5	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-	4.84	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	2.94	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	29.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	40.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	14.8	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	64.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	33	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	25.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	12.5	pg/g	BCJK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	88.1	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	9.06	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	17.1	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	50.5	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	3.42	pg/g	BJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	PCB-167	13.2	pg/g	BJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	PCB-82	25.2	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	21.7	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	69.2	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	46.5	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	168	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	330	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	73.3	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	15.1	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	91.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	13.2	pg/g	CJK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	297	pg/g				✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	6.3	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	188	pg/g				✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	15.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	2.41	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	65	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	9.03	pg/g	BCJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	25.7	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	371	pg/g	C			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	4.84	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	239	pg/g				✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Polychlorinated Biphenyl (PCB)	8010	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	TETRACHLORO 1,1'-BIPHENYL	280	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	68.8	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	45.8	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	7.31	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	214	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	9.59	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	40.2	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	155	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	22.8	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	42	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	279	pg/g				✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	4.22	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	67.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	17	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	17	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	175	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	8.38	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	9.18	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	4.63	pg/g	JK	J	VJ	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	61.8	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	8.97	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	14.1	pg/g	BJK	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	6.98	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,2',3-	20.4	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,2',4-	41.7	pg/g	BJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,2',5-	51.3	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,2',6-	22.1	pg/g	BJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3,3'-	120	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3,4'-	32.4	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3,4-	45.1	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3',4-	11.6	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3',5-	22	pg/g	CJ			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,3',6-	10.1	pg/g	BJ	U	MBL	
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,4',5-	80	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 2,4',6-	28	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 3,4,4'-	25	pg/g	J			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-R06-2-3-08/22/2022	20454017	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	2-CHLOROBIPHENYL	67.1	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	4,4'-DICHLOROBIPHENYL	123	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Chlorobiphenyl; 3-	244	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Chlorobiphenyl; 4-	148	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	DECACHLOROBIPHENYL	108	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,2'-	111	pg/g	BJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,3'-	73	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,4'-	122	pg/g	BJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 3,3'-	757	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 3,4-	93.1	pg/g	CJK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	543	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	191	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	106	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	658	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	485	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	27.6	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	103	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	235	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	396	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1300	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	12.3	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	6.78	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	426	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1080	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	4.71	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	20.8	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	109	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	22.8	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	311	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	215	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2590	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	829	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	29.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	198	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1120	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	160	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	372	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	93.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	96.2	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	336	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1090	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	88.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	72.9	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2470	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	24.6	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	6.19	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2630	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	221	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	216	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	175	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	9.42	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	174	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	8.19	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	153	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	21.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	46.8	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	289	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	155	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	111	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	56.9	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	380	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	45.6	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	71.2	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	232	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	13.1	pg/g	BJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	PCB-167	72.3	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	PCB-82	178	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	108	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	426	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	249	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1030	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1960	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	17.8	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	376	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	60.7	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	471	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	19.3	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	97.1	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1620	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	27.6	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	941	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	65.6	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	5.94	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	397	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	51.9	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	16.8	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	140	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2000	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	12.4	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	17.3	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	15.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1390	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	33.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	5.91	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	6.9	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Polychlorinated Biphenyl (PCB)	42500	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	TETRACHLORO 1,1'-BIPHENYL	1260	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	248	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	157	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,4-	15.2	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	905	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	26.1	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',3,6-	146	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	595	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',4,5-	85.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',4,6-	131	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1210	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	17.1	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	254	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	5.94	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,3',6-	57.8	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	51.2	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	735	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,4',5-	28.8	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	48.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3',4,5-	19.6	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3,4',6-	242	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	32.4	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	66.9	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	34.1	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 3,3',5,5'-	5.27	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,2',3-	57.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,2',4-	115	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,2',5-	140	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,2',6-	73.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3,3'-	406	pg/g	C			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3,4'-	85.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3,4-	136	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3',4-	32.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3',5-	56	pg/g	CJ			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,3',6-	30.5	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,4',5-	250	pg/g				✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 2,4',6-	74.7	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 3,3',4-	22.1	pg/g	JK	J	VJ	
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 3,4,4'-	119	pg/g	J			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-R06-3-4-08/22/2022	20454018	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	2-CHLOROBIPHENYL	140	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	4,4'-DICHLOROBIPHENYL	169	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Chlorobiphenyl; 3-	163	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Chlorobiphenyl; 4-	111	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	DECACHLOROBIPHENYL	109	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,2'-	145	pg/g	BJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,3'-	75.2	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,4'-	221	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,4-	15	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,5-	18.7	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 2,6-	7.49	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 3,3'-	1170	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 3,4-	99.7	pg/g	CJK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	674	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	234	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	123	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	731	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	465	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	32.6	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	99.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	194	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	347	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1590	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	7.74	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	8.09	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	530	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1020	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	6.28	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	27.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	138	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	27.6	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	405	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	209	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	3100	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	969	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	37.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	90	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1100	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	191	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	446	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	117	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	61.8	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	444	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	586	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	120	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	26.8	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2750	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	30.7	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	10.6	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2580	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	106	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.19	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	300	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	236	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	10.1	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	194	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 2,3,3',5',5',6'-	7.71	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	160	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	21.1	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	48.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	326	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	189	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	137	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	67.5	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	439	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	52.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	75.2	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	270	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	18	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	PCB-167	102	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	PCB-82	206	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	135	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	525	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	300	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	1300	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	2340	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	21.3	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	598	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	78.9	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	569	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	33.5	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	192	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	1980	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	63.6	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	1060	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	138	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	12.6	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	508	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	64	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	25.1	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	140	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	2510	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	6.35	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	26.9	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	21.9	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	1700	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	22.2	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	8.66	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-	9.87	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Polychlorinated Biphenyl (PCB)	50700	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	TETRACHLORO 1,1'-BIPHENYL	1410	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	344	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	184	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1630	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	23.8	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	46.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	478	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1160	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	99.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	440	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1810	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	47.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	279	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	7.11	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	83.8	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	61	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	827	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	33.5	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	43	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	18.5	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	264	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	34.1	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	71.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,2',3-	71.2	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,2',4-	136	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,2',5-	198	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,2',6-	51.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3,3'-	498	pg/g	C			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3,4'-	109	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3,4-	186	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3',4-	50.4	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3',5-	78.2	pg/g	CJ			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,3',6-	31.9	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,4',5-	331	pg/g				✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 2,4',6-	142	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 3,3',4-	22.8	pg/g	JK	J	VJ	
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 3,4,4'-	123	pg/g	J			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-R06-4-5-08/22/2022	20454019	E1668	Trichlorobiphenyl; 3,4',5-	10.4	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	2-CHLOROBIPHENYL	83.8	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	4,4'-DICHLOROBIPHENYL	147	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Chlorobiphenyl; 3-	190	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Chlorobiphenyl; 4-	115	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	DECACHLOROBIPHENYL	122	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,2'-	137	pg/g	BJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,3'-	77.5	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,4'-	214	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,4-	11.1	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,5-	15.6	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 2,6-	5.2	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 3,3'-	1120	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 3,4-	92	pg/g	CJK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	803	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	272	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	145	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	932	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	583	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	38.6	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	119	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	235	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	421	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1990	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	9.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	657	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1250	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	5.05	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	30.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	159	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	30.5	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	300	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	180	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2890	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	859	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	26	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	102	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1200	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	145	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	477	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	71.2	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	55.7	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	450	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	685	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	116	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	30.9	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2970	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	30.2	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	7.3	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2850	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	130	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	235	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	194	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	13.6	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	185	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	7	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	196	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	27	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	58.8	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	435	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	238	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	171	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	84	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	547	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	67.2	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	95.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	342	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	21.7	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	PCB-167	83.8	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	PCB-82	158	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	116	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	419	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	246	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	1090	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	2240	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	14.7	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	584	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	77	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	562	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	25	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	195	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	1760	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	53	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	1150	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	133	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	11.4	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	408	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	49.3	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	18.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	139	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	2130	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	8.36	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	19.4	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	16.2	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	1500	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	30.9	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	8.36	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-	6.85	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Polychlorinated Biphenyl (PCB)	51900	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	TETRACHLORO 1,1'-BIPHENYL	1610	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	382	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	220	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1740	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,5-	27.4	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	40	pg/g	JK	J	VJ	
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',3,6-	374	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	1190	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',4,5-	110	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',4,6-	311	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1790	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	34.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	316	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	9.75	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,3',6-	88.1	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	71.9	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	968	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,4',5-	35.8	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	79.2	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3',4,5-	18	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3,4',6-	303	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	53.6	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	70.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,2',3-	77.7	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,2',4-	150	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,2',5-	215	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,2',6-	48.5	pg/g	BJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3,3'-	573	pg/g	C			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3,4'-	132	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3,4-	229	pg/g	CJ			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3',4-	58.8	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3',5'-	5.85	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3',5-	90.8	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,3',6-	32.1	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,4',5-	385	pg/g				✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 2,4',6-	126	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 3,3',4-	28.7	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 3,4,4'-	147	pg/g	J			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-R06-5-6-08/22/2022	20454020	E1668	Trichlorobiphenyl; 3,4',5-	11.2	pg/g	J			✓

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20464
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: Ken Rapuano	Validation Date: 07.12.23
HGL Peer Reviewer: Justin Hersh	Peer Review Date: 09.19.2023

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E33-1-2-07/25/2022	20464001	Sediment
SIB-SC-E33-2-3-07/25/2022	20464002	Sediment
SIB-SC-E33-3-4-07/25/2022	20464003	Sediment
SIB-SC-E33-4-5-07/25/2022	20464004	Sediment
SIB-SC-E33-5-6-07/25/2022	20464005	Sediment
SIB-SC-E33-6-7-07/25/2022	20464006	Sediment
FD-19-07/25/2022	20464007	Sediment
SIB-SC-E33-7-8-07/25/2022	20464008	Sediment
SIB-SC-E33-8-9-07/25/2022	20464009	Sediment
SIB-SC-E33-9-10-07/25/2022	20464012	Sediment
SIB-SC-E33-10-11-07/25/2022	20464013	Sediment
SIB-SC-E33-11-12-07/25/2022	20464014	Sediment
SIB-SC-E33-12-13-07/25/2022	20464015	Sediment
SIB-SC-E33-13-14-07/25/2022	20464016	Sediment
SIB-SC-E33-14-15-07/25/2022	20464017	Sediment
SIB-SC-B25-1-2-07/25/2022	20464018	Sediment
SIB-SC-B25-2-3-07/25/2022	20464019	Sediment
SIB-SC-B25-3-4-07/25/2022	20464020	Sediment
SIB-SC-B25-4-5-07/25/2022	20464021	Sediment
SIB-SC-B25-5-6-07/25/2022	20464022	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. The label and COC discrepancies for the submitted MS/MSD sample were resolved by the laboratory with the client.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 0.222 pg/g 1,2,3,4,6,7,8-HpCDF, leading to a qualification limit of 1.11 pg/g. The 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-B25-1-2-07/25/2022, SIB-SC-B25-2-3-07/25/2022, and SIB-SC-B25-4-5-07/25/2022 should be qualified U-MBL.

Qualification: The 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-B25-1-2-07/25/2022, SIB-SC-B25-2-3-07/25/2022, and SIB-SC-B25-4-5-07/25/2022 are qualified U, reason code MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits with the exception of the RPDs for 1,2,3,4,6,7,8-HpCDD and OCDF. All detected results for 1,2,3,4,6,7,8-HpCDD and OCDF should be qualified J-LCSP; non-detected results do not require qualification.

Qualification: All detected results for 1,2,3,4,6,7,8-HpCDD and OCDF are qualified J, reason code LCSP.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-E33-8-9-07/25/2022. The MS had an extremely low %R for 1,2,3,4,6,7,8-HpCDD and a low %R for OCDF; although both the MS and the MSD had extremely low %Rs for OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The MS/MSD pair showed high RPDs for 1,2,3,4,6,7,8-HpCDD and OCDD. For sample SIB-SC-E33-8-9-07/25/2022, the 1,2,3,4,6,7,8-HpCDD result should be qualified J-MSDLX,MSP, the OCDD result should be qualified J-MSP, and the OCDF result should be qualified J-MSL.

Qualification: The 1,2,3,4,6,7,8-HpCDD, OCDD, and OCDF results for sample SIB-SC-E33-8-9-07/25/2022 are qualified J-MSLX,MSP, J-MSP, and J-MSL, respectively.

Field Duplicate – Sample FD-19-07/25/2022 is a field duplicate of sample SIB-SC-E33-6-7-07/25/2022. All results in this duplicate pair met precision criteria.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 10 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; ; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- 10 OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E33-1-2-07/25/2022	1,2,3,4,6,7,8-HpCDF	12.1	K	J	J	EMPC
SIB-SC-E33-1-2-07/25/2022	1,2,3,4,6,7,8-HpCDD	90.3	--	J	J	LCSP
SIB-SC-E33-1-2-07/25/2022	2,3,7,8-TCDF (1)	1.65	K	DNR	DNR	EXC
SIB-SC-E33-1-2-07/25/2022	OCDF	32.4	--	J	J	LCSP
SIB-SC-E33-2-3-07/25/2022	1,2,3,4,6,7,8-HpCDD	690	--	J	J	LCSP
SIB-SC-E33-2-3-07/25/2022	1,2,3,7,8-PeCDD	3.27	K	J	J	EMPC
SIB-SC-E33-2-3-07/25/2022	2,3,7,8-TCDF (1)	5.59	--	DNR	DNR	EXC
SIB-SC-E33-2-3-07/25/2022	2,3,7,8-TCDF (2)	4.98	K	J	J	EMPC
SIB-SC-E33-2-3-07/25/2022	2,3,7,8-TCDD	2.49	K	J	J	EMPC
SIB-SC-E33-2-3-07/25/2022	OCDF	505	--	J	J	LCSP
SIB-SC-E33-2-3-07/25/2022	OCDD	11600	E	J	J	ACR
SIB-SC-E33-3-4-07/25/2022	1,2,3,4,6,7,8-HpCDD	398	--	J	J	LCSP
SIB-SC-E33-3-4-07/25/2022	1,2,3,4,7,8-HxCDD	2.67	JK	J	J	EMPC
SIB-SC-E33-3-4-07/25/2022	2,3,7,8-TCDF (1)	3.14	--	DNR	DNR	EXC
SIB-SC-E33-3-4-07/25/2022	2,3,7,8-TCDF (3)	2.29	K	J	J	EMPC
SIB-SC-E33-3-4-07/25/2022	2,3,7,8-TCDD	1.1	K	J	J	EMPC
SIB-SC-E33-3-4-07/25/2022	OCDF	189	--	J	J	LCSP
SIB-SC-E33-3-4-07/25/2022	OCDD	6460	E	J	J	ACR
SIB-SC-E33-4-5-07/25/2022	1,2,3,4,6,7,8-HpCDD	580	--	J	J	LCSP
SIB-SC-E33-4-5-07/25/2022	1,2,3,4,7,8-HxCDF	6.61	K	J	J	EMPC
SIB-SC-E33-4-5-07/25/2022	1,2,3,4,7,8-HxCDD	3.95	JK	J	J	EMPC
SIB-SC-E33-4-5-07/25/2022	1,2,3,7,8,9-HxCDF	2.28	JK	J	J	EMPC
SIB-SC-E33-4-5-07/25/2022	1,2,3,7,8-PeCDD	3.28	K	J	J	EMPC
SIB-SC-E33-4-5-07/25/2022	2,3,7,8-TCDF (1)	2.33	K	DNR	DNR	EXC
SIB-SC-E33-4-5-07/25/2022	OCDF	289	--	J	J	LCSP
SIB-SC-E33-4-5-07/25/2022	OCDD	9250	E	J	J	ACR
SIB-SC-E33-5-6-07/25/2022	1,2,3,4,6,7,8-HpCDD	574	--	J	J	LCSP
SIB-SC-E33-5-6-07/25/2022	1,2,3,4,7,8,9-HpCDF	8.21	K	J	J	EMPC
SIB-SC-E33-5-6-07/25/2022	1,2,3,6,7,8-HxCDD	17.6	K	J	J	EMPC
SIB-SC-E33-5-6-07/25/2022	2,3,7,8-TCDF (1)	2.26	K	DNR	DNR	EXC
SIB-SC-E33-5-6-07/25/2022	2,3,7,8-TCDF (2)	2.05	K	J	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E33-5-6-07/25/2022	2,3,7,8-TCDD	1.7	K	J	J	EMPC
SIB-SC-E33-5-6-07/25/2022	OCDF	265	--	J	J	LCSP
SIB-SC-E33-5-6-07/25/2022	OCDD	10500	E	J	J	ACR
SIB-SC-E33-6-7-07/25/2022	1,2,3,4,6,7,8-HpCDD	205	--	J	J	LCSP
SIB-SC-E33-6-7-07/25/2022	1,2,3,4,7,8-HxCDF	2.71	JK	J	J	EMPC
SIB-SC-E33-6-7-07/25/2022	2,3,4,6,7,8-HxCDF	2.92	JK	J	J	EMPC
SIB-SC-E33-6-7-07/25/2022	2,3,7,8-TCDF	0.749	JK	J	J	EMPC
SIB-SC-E33-6-7-07/25/2022	OCDF	102	--	J	J	LCSP
FD-19-07/25/2022	1,2,3,4,6,7,8-HpCDD	183	--	J	J	LCSP
FD-19-07/25/2022	1,2,3,7,8-PeCDF	0.833	JK	J	J	EMPC
FD-19-07/25/2022	2,3,4,7,8-PeCDF	1.73	JK	J	J	EMPC
FD-19-07/25/2022	OCDF	91.9	--	J	J	LCSP
SIB-SC-E33-7-8-07/25/2022	1,2,3,4,6,7,8-HpCDD	321	--	J	J	LCSP
SIB-SC-E33-7-8-07/25/2022	1,2,3,4,7,8-HxCDD	2.05	JK	J	J	EMPC
SIB-SC-E33-7-8-07/25/2022	2,3,7,8-TCDF (1)	1.55	--	DNR	DNR	EXC
SIB-SC-E33-7-8-07/25/2022	2,3,7,8-TCDD	0.658	K	J	J	EMPC
SIB-SC-E33-7-8-07/25/2022	OCDF	153	--	J	J	LCSP
SIB-SC-E33-7-8-07/25/2022	OCDD	4870	E	J	J	ACR
SIB-SC-E33-8-9-07/25/2022	1,2,3,4,6,7,8-HpCDD	342	--	J	J	LCSP,MSLX,MSP
SIB-SC-E33-8-9-07/25/2022	1,2,3,7,8-PeCDD	1.62	JK	J	J	EMPC
SIB-SC-E33-8-9-07/25/2022	2,3,7,8-TCDF (1)	1.74	--	DNR	DNR	EXC
SIB-SC-E33-8-9-07/25/2022	2,3,7,8-TCDF (2)	1.95	K	J	J	EMPC
SIB-SC-E33-8-9-07/25/2022	2,3,7,8-TCDD	0.959	K	J	J	EMPC
SIB-SC-E33-8-9-07/25/2022	OCDF	157	--	J	J	LCSP,MSL
SIB-SC-E33-8-9-07/25/2022	OCDD	5260	E	J	J	ACR,MSP
SIB-SC-E33-9-10-07/25/2022	1,2,3,4,6,7,8-HpCDD	695	--	J	J	LCSP
SIB-SC-E33-9-10-07/25/2022	1,2,3,4,7,8-HxCDF	6.71	K	J	J	EMPC
SIB-SC-E33-9-10-07/25/2022	2,3,7,8-TCDF (1)	2.78	--	DNR	DNR	EXC
SIB-SC-E33-9-10-07/25/2022	OCDF	316	--	J	J	LCSP
SIB-SC-E33-9-10-07/25/2022	OCDD	10500	E	J	J	ACR
SIB-SC-E33-10-11-07/25/2022	1,2,3,4,6,7,8-HpCDD	202	--	J	J	LCSP
SIB-SC-E33-10-11-07/25/2022	1,2,3,4,7,8,9-HpCDF	2.28	JK	J	J	EMPC
SIB-SC-E33-10-11-07/25/2022	2,3,7,8-TCDF (1)	1	--	DNR	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E33-10-11-07/25/2022	2,3,7,8-TCDD	0.801	K	J	J	EMPC
SIB-SC-E33-10-11-07/25/2022	OCDF	77.2	--	J	J	LCSP
SIB-SC-E33-11-12-07/25/2022	1,2,3,4,6,7,8-HpCDD	699	--	J	J	LCSP
SIB-SC-E33-11-12-07/25/2022	2,3,7,8-TCDF (1)	2.56	--	DNR	DNR	EXC
SIB-SC-E33-11-12-07/25/2022	2,3,7,8-TCDD	1.74	K	J	J	EMPC
SIB-SC-E33-11-12-07/25/2022	OCDF	324	--	J	J	LCSP
SIB-SC-E33-11-12-07/25/2022	OCDD	11100	E	J	J	ACR
SIB-SC-E33-12-13-07/25/2022	1,2,3,4,6,7,8-HpCDD	208	--	J	J	LCSP
SIB-SC-E33-12-13-07/25/2022	1,2,3,7,8,9-HxCDD	3.63	JK	J	J	EMPC
SIB-SC-E33-12-13-07/25/2022	1,2,3,7,8-PeCDF	0.839	JK	J	J	EMPC
SIB-SC-E33-12-13-07/25/2022	2,3,4,7,8-PeCDF	1.73	JK	J	J	EMPC
SIB-SC-E33-12-13-07/25/2022	2,3,7,8-TCDD	0.613	K	J	J	EMPC
SIB-SC-E33-12-13-07/25/2022	OCDF	99.1	--	J	J	LCSP
SIB-SC-E33-13-14-07/25/2022	1,2,3,4,6,7,8-HpCDD	370	--	J	J	LCSP
SIB-SC-E33-13-14-07/25/2022	1,2,3,4,7,8-HxCDD	2.35	JK	J	J	EMPC
SIB-SC-E33-13-14-07/25/2022	1,2,3,6,7,8-HxCDF	6.89	K	J	J	EMPC
SIB-SC-E33-13-14-07/25/2022	1,2,3,7,8-PeCDF	2.16	JK	J	J	EMPC
SIB-SC-E33-13-14-07/25/2022	2,3,7,8-TCDF (1)	2.26	--	DNR	DNR	EXC
SIB-SC-E33-13-14-07/25/2022	2,3,7,8-TCDD	1.04	K	J	J	EMPC
SIB-SC-E33-13-14-07/25/2022	OCDF	243	--	J	J	LCSP
SIB-SC-E33-13-14-07/25/2022	OCDD	5650	E	J	J	ACR
SIB-SC-E33-14-15-07/25/2022	1,2,3,4,6,7,8-HpCDD	493	--	J	J	LCSP
SIB-SC-E33-14-15-07/25/2022	1,2,3,4,7,8-HxCDD	1.96	JK	J	J	EMPC
SIB-SC-E33-14-15-07/25/2022	2,3,7,8-TCDF (1)	1.18	--	DNR	DNR	EXC
SIB-SC-E33-14-15-07/25/2022	2,3,7,8-TCDD	0.594	K	J	J	EMPC
SIB-SC-E33-14-15-07/25/2022	OCDF	410	--	J	J	LCSP
SIB-SC-E33-14-15-07/25/2022	OCDD	7820	E	J	J	ACR
SIB-SC-B25-1-2-07/25/2022	1,2,3,4,6,7,8-HpCDF (3)	0.373	BJ	U	U	MBL
SIB-SC-B25-1-2-07/25/2022	1,2,3,4,6,7,8-HpCDD	1.44	JK	J	J	LCSP,EMPC
SIB-SC-B25-2-3-07/25/2022	1,2,3,4,6,7,8-HpCDF (3)	0.318	BJK	UJ	UJ	MBL,EMPC
SIB-SC-B25-2-3-07/25/2022	1,2,3,4,6,7,8-HpCDD	2.17	JK	J	J	LCSP,EMPC
SIB-SC-B25-3-4-07/25/2022	1,2,3,4,6,7,8-HpCDD	2.57	JK	J	J	LCSP,EMPC
SIB-SC-B25-4-5-07/25/2022	1,2,3,4,6,7,8-HpCDF (3)	0.264	BJK	UJ	UJ	MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-4-5-07/25/2022	1,2,3,4,6,7,8-HpCDD	1.78	J	J	J	LCSP
SIB-SC-B25-5-6-07/25/2022	1,2,3,4,6,7,8-HpCDD	1.96	JK	J	J	LCSP,EMPC

- (1) Result reported from DB-5MS column on instrument HRP750_2; also update "reportable_result" field in the EDD to "No"
- (2) Result reported from DB-225 column on instrument HRP757_3
- (3) Also update "detect_flag" field in the EDD to "N"



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

Prepared for:

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Prepared by:

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EcoChem Project: C28601-1

SDG: 20466

May 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20466	SIB-SC-F35-1-2-08052022	20466001	SE	✓
20466	SIB-SC-F35-2-3-08052022	20466002	SE	✓
20466	SIB-SC-F35-3-4-08052022	20466003	SE	✓
20466	SIB-SC-F35-4-5-08052022	20466004	SE	✓
20466	SIB-SC-F35-5-6-08052022	20466005	SE	✓
20466	SIB-SC-F35-6-7-08052022	20466006	SE	✓
20466	SIB-SC-F35-7-8-08052022	20466007	SE	✓
20466	SIB-SC-F35-8-9-08052022	20466008	SE	✓
20466	SIB-SC-F35-9-10-08052022	20466009	SE	✓
20466	SIB-SC-F35-10-11-08052022	20466010	SE	✓
20466	SIB-SC-F35-11-12-08052022	20466011	SE	✓
20466	SIB-SC-F35-12-13-08052022	20466012	SE	✓
20466	SIB-SC-F35-13-14-08052022	20466013	SE	✓
20466	SIB-SC-F35-14-15-08052022	20466014	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20466	14 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For all samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
1	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
2	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

For Sample SIB-SC-F35-2-3-08/05/2022, the container collection time of 13:06 did not match the chain-of-custody (COC) time of 13:16. The COC time was used for login purposes.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency.

For extraction batch 51503, various target analytes were detected in the method blank, however all sample results were greater than the action levels; no qualifiers were assigned.

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB06-08/04/2022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20187. EB06-08/04/2022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-F35-1-2-08/05/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDD	Parent > 4x Spike Conc.		88.4	J-MSP
OCDD	Parent > 4x Spike Conc.		107	J-MSP
2,3,7,8-TCDF	69.1	OK	25.3	J-MSL,MSP
1,2,3,4,6,7,8-HpCDF	43.7	OK	37.5	J-MSL,MSP
OCDF	16	OK	50.4	J-MSL,MSP

Laboratory Control Samples

Laboratory control spike/laboratory control spike duplicate (LCS/LCSD) samples were analyzed at the appropriate frequency. When the LCS/LCSD %R values indicate a potential low bias, associated results are estimated (J/UJ-LCSL). Only the associated positive results are estimated (J-LCSH) if the %R values indicate a potential high bias. Precision is evaluated using the relative percent difference (RPD) values calculated between the LCS and LCSD results. Associated positive results are estimated (J-LCSP) if the RPD values indicate uncertainty. Qualifiers are issued to all samples in the extraction batch.

For extraction batch 51503. The following qualifiers were assigned:

ANALYTE	LCS %R	LCSD %R	RPD	QUALIFIER
OCDD	OK	OK	28.3	J-LCSP

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. For analytes with true values greater than the practical quantitation limit (PQL), all true values were within the control limits.

Field Duplicates

No field duplicates were submitted.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD and MS/MSD RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers, an LCS/LCSD precision outlier, and calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	68.5	pg/g		J	MSL,MSP	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	493	pg/g		J	MSP	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.85	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.09	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.16	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.04	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25.7	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.79	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.6	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.68	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.54	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.13	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	20.7	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	20.7	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.9	pg/g		DNR	EXC	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.94	pg/g		J	MSL,MSP	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.51	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	Heptachlorodibenzo-P-Dioxin	1020	pg/g				✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	HEXACHLORODIBENZOFURAN	137	pg/g	JK	J	VJ	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	215	pg/g	J			✓
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	OCTACHLORODIBENZOFURAN	172	pg/g		J	MSL,MSP	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6410	pg/g	E	J	ACR,LCSP,MSP	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	PENTACHLORO DIBENZOFURAN	67.4	pg/g	JK	J	VJ	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.4	pg/g	JK	J	VJ	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	53.2	pg/g	JK	J	VJ	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.9	pg/g	JK	J	VJ	
SIB-SC-F35-1-2-08/05/2022	20466001	E1613B	TOTAL HpCDFs	244	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	176	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	724	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.45	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.4	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.2	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.88	pg/g	J			✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.5	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.91	pg/g	J			✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.79	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.9	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.3	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.7	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	30.7	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.13	pg/g		DNR	EXC	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.49	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.27	pg/g	K	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	Heptachlorodibenzo-P-Dioxin	1660	pg/g	J			✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	HEXACHLORODIBENZOFURAN	300	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	246	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	OCTACHLORODIBENZOFURAN	435	pg/g				✓
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11300	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	PENTACHLORO DIBENZOFURAN	133	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	49.5	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	77.5	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	35.4	pg/g	JK	J	VJ	
SIB-SC-F35-2-3-08/05/2022	20466002	E1613B	TOTAL HpCDFs	611	pg/g	J			✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	137	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	527	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.82	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.18	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.17	pg/g	J			✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.3	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.2	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.36	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.6	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.5	pg/g	J			✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.37	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.19	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.1	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.1	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.32	pg/g		DNR	EXC	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.75	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.99	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	Heptachlorodibenzo-P-Dioxin	1280	pg/g	J			✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	HEXACHLORODIBENZOFURAN	252	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	190	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	OCTACHLORODIBENZOFURAN	314	pg/g				✓
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9220	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	PENTACHLORO DIBENZOFURAN	117	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	39.9	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	63.7	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.8	pg/g	JK	J	VJ	
SIB-SC-F35-3-4-08/05/2022	20466003	E1613B	TOTAL HpCDFs	493	pg/g	JK	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	168	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	626	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.4	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.93	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.6	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.34	pg/g	J			✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	7.42	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.51	pg/g	K	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	9.39	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	29.6	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	29.6	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.66	pg/g		DNR	EXC	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.68	pg/g	K	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.95	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	Heptachlorodibenzo-P-Dioxin	1490	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	HEXACHLORODIBENZOFURAN	303	pg/g	JK	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	218	pg/g	J			✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	OCTACHLORODIBENZOFURAN	379	pg/g				✓
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10800	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	PENTACHLORO DIBENZOFURAN	145	pg/g	JK	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.2	pg/g	JK	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	76.5	pg/g	JK	J	VJ	
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	27.4	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-4-5-08/05/2022	20466004	E1613B	TOTAL HpCDFs	580	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	46.2	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	226	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.78	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.76	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.77	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.62	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.11	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.77	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.16	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.14	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.43	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.64	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.2	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.2	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.92	pg/g		DNR	EXC	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.47	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.904	pg/g	K	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	Heptachlorodibenzo-P-Dioxin	529	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	HEXACHLORODIBENZOFURAN	91.3	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	75.4	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	OCTACHLORODIBENZOFURAN	117	pg/g				✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3600	pg/g		J	LCSP	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	PENTACHLORO DIBENZOFURAN	44.2	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.2	pg/g	J			✓
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	35.5	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8.76	pg/g	JK	J	VJ	
SIB-SC-F35-5-6-08/05/2022	20466005	E1613B	TOTAL HpCDFs	171	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	25.7	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	115	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.95	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.28	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.875	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.35	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.825	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.08	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.863	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.612	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.94	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.51	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.23	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.23	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.766	pg/g	J			✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.459	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	Heptachlorodibenzo-P-Dioxin	274	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	HEXACHLORODIBENZOFURAN	49.8	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	41	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	OCTACHLORODIBENZOFURAN	61.7	pg/g				✓
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1960	pg/g		J	LCSP	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	PENTACHLORO DIBENZOFURAN	24.1	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.02	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.58	pg/g	JK	J	VJ	
SIB-SC-F35-6-7-08/05/2022	20466006	E1613B	TOTAL HpCDFs	93.7	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65.5	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	322	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.55	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.5	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.23	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	8.11	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.1	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.9	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.6	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.78	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.89	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.79	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.62	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.7	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	13.7	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.61	pg/g		DNR	EXC	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.09	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.896	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	Heptachlorodibenzo-P-Dioxin	750	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	HEXACHLORODIBENZOFURAN	127	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	101	pg/g	J			✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	OCTACHLORODIBENZOFURAN	153	pg/g				✓
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	5430	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	PENTACHLORO DIBENZOFURAN	59.6	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	21.2	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	44.1	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.6	pg/g	JK	J	VJ	
SIB-SC-F35-7-8-08/05/2022	20466007	E1613B	TOTAL HpCDFs	242	pg/g	JK	J	VJ	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	157	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	690	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.03	pg/g	J			✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	16.8	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25.9	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.33	pg/g	J			✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.5	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.62	pg/g	J			✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.44	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.86	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.9	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.1	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.1	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.23	pg/g		DNR	EXC	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.5	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.82	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	Heptachlorodibenzo-P-Dioxin	1510	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	HEXACHLORODIBENZOFURAN	256	pg/g	JK	J	VJ	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	233	pg/g	J			✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	OCTACHLORODIBENZOFURAN	383	pg/g				✓
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10600	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	PENTACHLORO DIBENZOFURAN	113	pg/g	JK	J	VJ	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.5	pg/g	JK	J	VJ	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	76.4	pg/g	JK	J	VJ	
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	25.5	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-8-9-08/05/2022	20466008	E1613B	TOTAL HpCDFs	529	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	79.2	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	245	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.31	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.14	pg/g	K	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.73	pg/g	J			✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.75	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.98	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.41	pg/g	J			✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.25	pg/g	J			✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.16	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.62	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.2	pg/g	J			✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.1	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.2	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.3	pg/g		DNR	EXC	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.23	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.803	pg/g	K	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	Heptachlorodibenzo-P-Dioxin	563	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	HEXACHLORODIBENZOFURAN	95	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	75.8	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	OCTACHLORODIBENZOFURAN	145	pg/g				✓
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4310	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	PENTACHLORO DIBENZOFURAN	40.6	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.4	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.4	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.46	pg/g	JK	J	VJ	
SIB-SC-F35-9-10-08/05/2022	20466009	E1613B	TOTAL HpCDFs	273	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	25.4	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	143	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.3	pg/g	J			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.8	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.69	pg/g	J			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.59	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.81	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.577	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.849	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.66	pg/g	J			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.29	pg/g	J			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	5.66	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.78	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.22	pg/g		DNR	EXC	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.992	pg/g	K	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.424	pg/g	J			✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	Heptachlorodibenzo-P-Dioxin	316	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	HEXACHLORODIBENZOFURAN	45.2	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	47.3	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	OCTACHLORODIBENZOFURAN	64	pg/g				✓
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2320	pg/g		J	LCSP	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	PENTACHLORO DIBENZOFURAN	21.6	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	9.87	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.5	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.08	pg/g	JK	J	VJ	
SIB-SC-F35-10-11-08/05/2022	20466010	E1613B	TOTAL HpCDFs	101	pg/g	J			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23.1	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	168	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.47	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.79	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.73	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.94	pg/g	J			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.527	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.67	pg/g	J			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.29	pg/g	J			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.56	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	5.33	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.96	pg/g	J			✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	Heptachlorodibenzo-P-Dioxin	401	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	HEXACHLORODIBENZOFURAN	40.6	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	63.4	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	OCTACHLORODIBENZOFURAN	60.4	pg/g				✓
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1900	pg/g		J	LCSP	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	PENTACHLORO DIBENZOFURAN	18.7	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.5	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.5	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.25	pg/g	JK	J	VJ	
SIB-SC-F35-11-12-08/05/2022	20466011	E1613B	TOTAL HpCDFs	92.6	pg/g	JK	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	126	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	788	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.83	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.12	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.1	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	13.6	pg/g	K	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.93	pg/g	J			✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.38	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.24	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.07	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	28.1	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	28.2	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.06	pg/g		DNR	EXC	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.86	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.68	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	Heptachlorodibenzo-P-Dioxin	1780	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	HEXACHLORODIBENZOFURAN	203	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	232	pg/g	K	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	OCTACHLORODIBENZOFURAN	316	pg/g				✓
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11100	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	PENTACHLORO DIBENZOFURAN	101	pg/g	JK	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	44.5	pg/g	JK	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	63	pg/g	JK	J	VJ	
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.9	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-12-13-08/05/2022	20466012	E1613B	TOTAL HpCDFs	142	pg/g	K	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	89	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	517	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.02	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.82	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.6	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.28	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14.2	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.44	pg/g	K	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.23	pg/g	J			✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.06	pg/g	K	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.68	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.85	pg/g	J			✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	19.6	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	19.8	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.9	pg/g		DNR	EXC	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.09	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.37	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	Heptachlorodibenzo-P-Dioxin	1250	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	HEXACHLORODIBENZOFURAN	162	pg/g	J			✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	149	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	OCTACHLORODIBENZOFURAN	242	pg/g				✓
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8590	pg/g	E	J	ACR,LCSP	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	PENTACHLORO DIBENZOFURAN	81.5	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	29.2	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	55.9	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	9.98	pg/g	JK	J	VJ	
SIB-SC-F35-13-14-08/05/2022	20466013	E1613B	TOTAL HpCDFs	356	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	138	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	902	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.19	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.2	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.6	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.9	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.6	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.66	pg/g	J			✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.32	pg/g	K	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.97	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.56	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	31	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	31	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.06	pg/g	K	DNR	EXC	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.23	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.96	pg/g	K	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	Heptachlorodibenzo-P-Dioxin	1830	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	HEXACHLORODIBENZOFURAN	216	pg/g	JK	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	219	pg/g	J			✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	OCTACHLORODIBENZOFURAN	402	pg/g				✓
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12900	pg/g	E	J	ACR	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	PENTACHLORO DIBENZOFURAN	76.2	pg/g	JK	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	43.2	pg/g	JK	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	49.9	pg/g	K	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.7	pg/g	K	J	VJ	
SIB-SC-F35-14-15-08/05/2022	20466014	E1613B	TOTAL HpCDFs	506	pg/g				✓

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20467
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 07.13.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 7.28.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E27-1-2-08/09/2022	20467001	Sediment
SIB-SC-E27-2-3-08/09/2022	20467002	Sediment
SIB-SC-E27-3-4-08/09/2022	20467003	Sediment
SIB-SC-E27-3-4-08/09/2022 MS	20467004	Sediment
SIB-SC-E27-3-4-08/09/2022 MSD	20467005	Sediment
SIB-SC-E27-4-5-08/09/2022	20467006	Sediment
SIB-SC-E27-5-6-08/09/2022	20467007	Sediment
SIB-SC-E27-6-7-08/09/2022	20467008	Sediment
SIB-SC-E27-7-8-08/09/2022	20467009	Sediment
SIB-SC-E27-8-9-08/09/2022	20467010	Sediment
SIB-SC-E27-9-10-08/09/2022	20467011	Sediment
SIB-SC-E27-10-11-08/09/2022	20467012	Sediment
SIB-SC-E27-11-12-08/09/2022	20467013	Sediment
SIB-SC-E27-12-13-08/09/2022	20467014	Sediment
SIB-SC-E27-13-14-08/09/2022	20467015	Sediment
SIB-SC-E27-14-15-08/09/2022	20467016	Sediment
FD-31-08/09/2022	20467017	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved with one exception. One of the sample containers for sample SIB-SC-E27-3-4-08/09/2022 arrived cracked and was transferred to a new 4 oz. container. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 0.336 pg/g of 1,2,3,4,7,8-HxCDF, leading to a qualification limit of 1.68 pg/g. The 1,2,3,4,7,8-HxCDF results for samples SIB-SC-E27-12-13-

08/09/2022, SIB-SC-E27-13-14-08/09/2022, SIB-SC-E27-14-15-08/09/2022, and FD-31-08/09/2022 should be qualified U-MBL.

Qualification: The 1,2,3,4,7,8-HxCDF results for samples SIB-SC-E27-12-13-08/09/2022, SIB-SC-E27-13-14-08/09/2022, SIB-SC-E27-14-15-08/09/2022, and FD-31-08/09/2022 are qualified U, reason code MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG. The rinsate blank was contaminated with 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, 1,2,3,4,7,8-HxCDF at 0.902 pg/L, and 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to qualification limits of 0.765, 1.395, 0.451, and 0.925 pg/g respectively. Detections of all of these analytes are greater than the qualification limits in all samples.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs were within QAPP control limits with the exception of 1,2,3,7,8-PeCDF, which yielded a recovery below control limits in the LCS. All detected results for 1,2,3,7,8-PeCDF should be qualified J-LCSSL; non-detected results should be qualified UJ-LCSSL. All RPDs were within QAPP control limits.

Qualification: All detected results for 1,2,3,7,8-PeCDF are qualified J, reason code LCSSL; non-detected results are qualified UJ, reason code LCSSL.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-E27-3-4-08/09/2022. The MS had extremely low %R for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF and the MSD had a high %R for 1,2,3,4,6,7,8,9-OCDD. For 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The MS/MSD pair showed high RPDs for 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF. For sample SIB-SC-E27-3-4-08/09/2022, the 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, and 1,2,3,4,6,7,8,9-OCDD results should be qualified J-MSP, and the 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF results should be qualified J-MSLX,MSP.

Qualification: The 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, and 1,2,3,4,6,7,8,9-OCDD results for sample SIB-SC-E27-3-4-08/09/2022 are qualified J-MSP, and the 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF results are qualified J-MSLX,MSP.

Field Duplicate – Sample FD-31-08/09/2022 is a field duplicate of sample SIB-SC-E27-13-14-08/09/2022. All results in this duplicate pair met precision criteria with the exception of 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF. The 1,2,3,4,6,7,8,9-OCDD results in samples FD-31-08/09/2022 and SIB-SC-E27-13-14-08/09/2022 should be qualified J-FDPR, while the others should be qualified J-FDPA.

Qualification: The 1,2,3,4,6,7,8,9-OCDD results in samples FD-31-08/09/2022 and SIB-SC-E27-13-14-08/09/2022 is qualified J-FDPR. The 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF results are qualified J-FDPA.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a "K" flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 9 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Nine OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.
- One Heptachloro-p-dioxin result reported with a laboratory qualifier of E has the reportable_result field populated with "No" by the laboratory and is changed to "Yes". Although total congener results are not validated, this result is reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E27-1-2-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	26.9	K	26.9	J	EMPC
SIB-SC-E27-1-2-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	7.59	--	7.59	J	LCSL
SIB-SC-E27-1-2-08/09/2022	2,3,4,6,7,8-Hexachlorodibenzofuran	9.16	K	9.16	J	EMPC
SIB-SC-E27-1-2-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	8.72	--	8.72	DNR	EXC
SIB-SC-E27-1-2-08/09/2022	Octachlorodibenzo-p-dioxin	12600	E	12600	J	ACR
SIB-SC-E27-2-3-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	17.1	K	17.1	J	EMPC
SIB-SC-E27-2-3-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	5.54	K	5.54	J	EMPC
SIB-SC-E27-2-3-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	5.52	--	5.52	J	LCSL
SIB-SC-E27-2-3-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	5.51	--	5.51	DNR	EXC
SIB-SC-E27-2-3-08/09/2022	Octachlorodibenzo-p-dioxin	14800	E	14800	J	ACR
SIB-SC-E27-3-4-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzofuran	153	--	153	J	MSLX,MSP
SIB-SC-E27-3-4-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	850	--	850	J	MSP
SIB-SC-E27-3-4-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	12	K	12	J	EMPC
SIB-SC-E27-3-4-08/09/2022	1,2,3,6,7,8-Hexachlorodibenzofuran	14.1	K	14.1	J	EMPC
SIB-SC-E27-3-4-08/09/2022	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	26.3	--	26.3	J	MSP
SIB-SC-E27-3-4-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	3.6	JK	3.6	J	LCSL,EMPC
SIB-SC-E27-3-4-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	3.97	--	3.97	DNR	EXC
SIB-SC-E27-3-4-08/09/2022	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.97	K	1.97	J	EMPC
SIB-SC-E27-3-4-08/09/2022	Octachlorodibenzofuran	378	--	378	J	MSLX,MSP
SIB-SC-E27-3-4-08/09/2022	Octachlorodibenzo-p-dioxin	12900	E	12900	J	MSP,ACR
SIB-SC-E27-4-5-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	3.24	J	3.24	J	LCSL
SIB-SC-E27-4-5-08/09/2022	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.63	K	2.63	J	EMPC
SIB-SC-E27-4-5-08/09/2022	2,3,4,6,7,8-Hexachlorodibenzofuran	8.04	K	8.04	J	EMPC
SIB-SC-E27-4-5-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	2.86	--	2.86	DNR	EXC
SIB-SC-E27-4-5-08/09/2022	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.26	K	1.26	J	EMPC
SIB-SC-E27-4-5-08/09/2022	Octachlorodibenzo-p-dioxin	9660	E	9660	J	ACR

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E27-5-6-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	2.48	J	2.48	J	LCSL
SIB-SC-E27-5-6-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	2.99	--	2.99	DNR	EXC
SIB-SC-E27-5-6-08/09/2022	Octachlorodibenzo-p-dioxin	15000	E	15000	J	ACR
SIB-SC-E27-6-7-08/09/2022	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	7.95	K	7.95	J	EMPC
SIB-SC-E27-6-7-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	2.55	J	2.55	J	LCSL
SIB-SC-E27-6-7-08/09/2022	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.62	K	2.62	J	EMPC
SIB-SC-E27-6-7-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	2.96	--	2.96	DNR	EXC
SIB-SC-E27-6-7-08/09/2022	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.23	K	1.23	J	EMPC
SIB-SC-E27-6-7-08/09/2022	Octachlorodibenzo-p-dioxin	8650	E	8650	J	ACR
SIB-SC-E27-7-8-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	3.37	JK	3.37	J	EMPC
SIB-SC-E27-7-8-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.907	JK	0.907	J	LCSL,EMPC
SIB-SC-E27-7-8-08/09/2022	Octachlorodibenzo-p-dioxin	4400	E	4400	J	ACR
SIB-SC-E27-8-9-08/09/2022	1,2,3,7,8,9-Hexachlorodibenzofuran	2.51	JK	2.51	J	EMPC
SIB-SC-E27-8-9-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	1.91	JK	1.91	J	LCSL,EMPC
SIB-SC-E27-8-9-08/09/2022	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	3.09	K	3.09	J	EMPC
SIB-SC-E27-8-9-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	1.25	K	1.25	DNR	EXC
SIB-SC-E27-8-9-08/09/2022	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.05	K	1.05	J	EMPC
SIB-SC-E27-8-9-08/09/2022	Octachlorodibenzo-p-dioxin	12400	E	12400	J	ACR
SIB-SC-E27-9-10-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	7.21	K	7.21	J	EMPC
SIB-SC-E27-9-10-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	1.41	J	1.41	J	LCSL
SIB-SC-E27-9-10-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	1.23	K	1.23	DNR	EXC
SIB-SC-E27-9-10-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	1.69	K	1.69	J	EMPC
SIB-SC-E27-9-10-08/09/2022	Octachlorodibenzo-p-dioxin	8660	E	8660	J	ACR
SIB-SC-E27-10-11-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.638	JK	0.638	J	LCSL,EMPC
SIB-SC-E27-10-11-08/09/2022	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.602	JK	0.602	J	EMPC
SIB-SC-E27-10-11-08/09/2022	2,3,4,6,7,8-Hexachlorodibenzofuran	3.1	JK	3.1	J	EMPC
SIB-SC-E27-10-11-08/09/2022	2,3,7,8-Tetrachlorodibenzofuran	0.57	JK	0.57	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E27-10-11-08/09/2022	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.383	JK	0.383	J	EMPC
SIB-SC-E27-11-12-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.748	JK	0.748	J	EMPC
SIB-SC-E27-11-12-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.93	J	0.93	J	LCSL
SIB-SC-E27-11-12-08/09/2022	2,3,4,7,8-Pentachlorodibenzofuran	3.56	JK	3.56	J	EMPC
SIB-SC-E27-12-13-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	0.958	BJK	0.958	UJ	MBL,EMPC
SIB-SC-E27-12-13-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.44	U	0.44	UJ	LCSL
SIB-SC-E27-12-13-08/09/2022	2,3,4,6,7,8-Hexachlorodibenzofuran	1.53	JK	1.53	J	EMPC
SIB-SC-E27-13-14-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzofuran	17.5	--	17.5	J	FDPA
SIB-SC-E27-13-14-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	12.6	K	12.6	J	FDPA,EMPC
SIB-SC-E27-13-14-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	0.525	BJK	0.525	UJ	MBL,EMPC
SIB-SC-E27-13-14-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.384	U	0.384	UJ	LCSL
SIB-SC-E27-13-14-08/09/2022	2,3,4,6,7,8-Hexachlorodibenzofuran	0.67	JK	0.67	J	EMPC
SIB-SC-E27-13-14-08/09/2022	Octachlorodibenzofuran	12.6	--	12.6	J	FDPA
SIB-SC-E27-13-14-08/09/2022	Octachlorodibenzo-p-dioxin	207	--	207	J	FDPR
SIB-SC-E27-14-15-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	0.825	BJK	0.825	UJ	MBL,EMPC
SIB-SC-E27-14-15-08/09/2022	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.09	JK	1.09	J	EMPC
SIB-SC-E27-14-15-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.268	J	0.268	J	LCSL
FD-31-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzofuran	36.4	--	36.4	J	FDPA
FD-31-08/09/2022	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	30.2	--	30.2	J	FDPA
FD-31-08/09/2022	1,2,3,4,7,8-Hexachlorodibenzofuran	0.758	BJ	0.758	U	MBL
FD-31-08/09/2022	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.679	JK	0.679	J	EMPC
FD-31-08/09/2022	1,2,3,7,8-Pentachlorodibenzofuran	0.393	U	0.393	UJ	LCSL
FD-31-08/09/2022	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.416	JK	0.416	J	EMPC
FD-31-08/09/2022	Octachlorodibenzofuran	34.2	--	34.2	J	FDPA
FD-31-08/09/2022	Octachlorodibenzo-p-dioxin	583	--	583	J	FDPR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20468
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 07.13.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 7.28.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E23-1-2-08/17/2022	20468001	Sediment
SIB-SC-E23-2-3-08/17/2022	20468002	Sediment
SIB-SC-E23-3-4-08/17/2022	20468003	Sediment
SIB-SC-E23-4-5-08/17/2022	20468004	Sediment
SIB-SC-E23-5-6-08/17/2022	20468005	Sediment
SIB-SC-F23-1-2-08/17/2022	20468006	Sediment
SIB-SC-F23-2-3-08/17/2022	20468007	Sediment
SIB-SC-F23-3-4-08/17/2022	20468008	Sediment
SIB-SC-F23-4-5-08/17/2022	20468009	Sediment
SIB-SC-F23-5-6-08/17/2022	20468010	Sediment
SIB-SC-B23-1-2-08/20/2022	20468011	Sediment
SIB-SC-B23-2-3-08/20/2022	20468012	Sediment
SIB-SC-B23-2-3-08/20/2022-MS	20468013	Sediment
SIB-SC-B23-2-3-08/20/2022-MSD	20468014	Sediment
SIB-SC-B23-3-4-08/20/2022	20468015	Sediment
SIB-SC-B23-4-5-08/20/2022	20468016	Sediment
SIB-SC-B23-5-6-08/20/2022	20468017	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with the following analytes:

- 0.156 pg/g of 1,2,3,7,8-PeCDD, leading to a qualification limit of 0.780 pg/g
- 0.322 pg/g of 1,2,3,4,6,7,8-HpCDD, leading to a qualification limit of 1.61 pg/g
- 1.74 pg/g of 1,2,3,4,6,7,8,9-OCDD, leading to a qualification limit of 8.70 pg/g
- 0.2 pg/g of 1,2,3,7,8-PeCDF, leading to a qualification limit of 1.00 pg/g

- 0.128 pg/g of 2,3,4,7,8-PeCDF, leading to a qualification limit of 0.640 pg/g
- 0.264 pg/g of 1,2,3,4,7,8-HxCDF, leading to a qualification limit of 1.32 pg/g
- 0.214 pg/g of 1,2,3,6,7,8-HxCDF, leading to a qualification limit of 1.07 pg/g
- 0.638 pg/g of 1,2,3,4,6,7,8-HpCDF, leading to a qualification limit of 3.19 pg/g
- 0.38 pg/g of 1,2,3,4,6,7,8,9-OCDF, leading to a qualification limit of 1.9 pg/g

Results below the applicable qualification limit and should be qualified U-MBL.

Qualification: The following are qualified U-MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

- 1,2,3,7,8-PeCDD result for sample SIB-SC-F23-2-3-08/17/2022
- 1,2,3,4,6,7,8-HpCDD results for samples SIB-SC-B23-1-2-08/20/2022, SIB-SC-B23-2-3-08/20/2022, SIB-SC-B23-3-4-08/20/2022, and SIB-SC-B23-5-6-08/20/2022
- 1,2,3,4,6,7,8,9-OCDD results for samples SIB-SC-B23-1-2-08/20/2022, SIB-SC-B23-2-3-08/20/2022, and SIB-SC-B23-3-4-08/20/2022
- 1,2,3,7,8-PeCDF results for samples SIB-SC-F23-1-2-08/17/2022, SIB-SC-F23-2-3-08/17/2022, and SIB-SC-F23-4-5-08/17/2022
- 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-B23-3-4-08/20/2022, SIB-SC-B23-4-5-08/20/2022, and SIB-SC-B23-5-6-08/20/2022
- 1,2,3,4,6,7,8,9-OCDF result for sample SIB-SC-B23-4-5-08/20/2022

Rinsate Blanks – Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG. The rinsate blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, OCDD was also detected in the method blank at a comparable level. The contamination in this EB is likely due to aqueous sample preparation and not cross contamination and no qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-B23-2-3-08/20/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – Parent sample SIB-SC-B23-1-2-08/20/2022 was analyzed in this SDG; this sample is associated with field duplicate FD-48-08/20/2022 analyzed in SDG 20469 . All precision criteria were met.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 6 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Six OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.
- One Heptachloro-p-dioxin result reported with a laboratory qualifier of E has the reportable_result field populated with "No" by the laboratory and is changed to "Yes". Although total congener results are not validated, this result is reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E23-1-2-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.81	--	4.81	DNR	EXC
SIB-SC-E23-1-2-08/17/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.07	K	1.07	J	EMPC
SIB-SC-E23-1-2-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	7860	E	7860	J	ACR
SIB-SC-E23-2-3-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.52	K	2.52	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.02	--	3.02	DNR	EXC
SIB-SC-E23-2-3-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	5230	E	5230	J	ACR
SIB-SC-E23-3-4-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.15	K	5.15	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.02	--	4.02	DNR	EXC
SIB-SC-E23-3-4-08/17/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.81	K	1.81	J	EMPC
SIB-SC-E23-3-4-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	12400	E	12400	J	ACR
SIB-SC-E23-4-5-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.57	JK	1.57	J	EMPC
SIB-SC-E23-4-5-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.41	BJK	1.41	J	EMPC
SIB-SC-E23-4-5-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.37	JK	2.37	J	EMPC
SIB-SC-E23-4-5-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.12	K	2.12	DNR	EXC
SIB-SC-E23-4-5-08/17/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.969	K	0.969	J	EMPC
SIB-SC-E23-4-5-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	5770	E	5770	J	ACR
SIB-SC-E23-5-6-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.91	K	2.91	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.83	--	2.83	DNR	EXC
SIB-SC-E23-5-6-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	6490	E	6490	J	ACR
SIB-SC-F23-1-2-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.49	JK	2.49	J	EMPC
SIB-SC-F23-1-2-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.638	BJ	0.638	U	MBL
SIB-SC-F23-2-3-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.758	BJ	0.758	U	MBL
SIB-SC-F23-2-3-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.455	BJ	0.455	U	MBL
SIB-SC-F23-3-4-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.21	JK	2.21	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.01	K	1.01	DNR	EXC
SIB-SC-F23-4-5-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.51	JK	2.51	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F23-4-5-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.899	BJK	0.899	UJ	MBL,EMPC
SIB-SC-F23-4-5-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.1	BJK	1.1	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.909	JK	0.909	J	EMPC
SIB-SC-F23-5-6-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.3	K	4.3	J	EMPC
SIB-SC-F23-5-6-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.34	--	3.34	DNR	EXC
SIB-SC-F23-5-6-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.91	K	2.91	J	EMPC
SIB-SC-F23-5-6-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	9550	E	9550	J	ACR
SIB-SC-B23-1-2-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.897	BJ	0.897	U	MBL
SIB-SC-B23-1-2-08/20/2022	OCTACHLORODIBENZO-P-DIOXIN	4.72	BJ	4.72	U	MBL
SIB-SC-B23-2-3-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.588	BJ	0.588	U	MBL
SIB-SC-B23-2-3-08/20/2022	OCTACHLORODIBENZO-P-DIOXIN	3.5	BJ	3.5	U	MBL
SIB-SC-B23-3-4-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.319	BJK	0.319	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1	BJK	1	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	OCTACHLORODIBENZO-P-DIOXIN	8.19	BJ	8.19	U	MBL
SIB-SC-B23-4-5-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.354	BJ	0.354	U	MBL
SIB-SC-B23-4-5-08/20/2022	OCTACHLORODIBENZOFURAN	0.412	BJK	0.412	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.218	BJK	0.218	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.54	BJ	1.54	U	MBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20469
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 07.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 7.28.23

Client Sample ID	Laboratory Sample ID	Matrix
FD-48-08/20/2022	20469001	Sediment
SIB-SC-B24-0-1-08/20/2022	20469002	Sediment
SIB-SC-B24-1-2-08/20/2022	20469003	Sediment
SIB-SC-B24-2-3-08/20/2022	20469004	Sediment
SIB-SC-B24-3-4-08/20/2022	20469005	Sediment
SIB-SC-B24-4-5-08/20/2022	20469006	Sediment
SIB-SC-B24-5-6-08/20/2022	20469007	Sediment
SIB-SC-B33-1-2-08/21/2022	20469008	Sediment
SIB-SC-B33-2-3-08/21/2022	20469009	Sediment
SIB-SC-B33-3-4-08/21/2022	20469010	Sediment
SIB-SC-B33-4-5-08/21/2022	20469011	Sediment
SIB-SC-B33-5-6-08/21/2022	20469012	Sediment
SIB-SC-B34-1-2-08/22/2022	20469013	Sediment
SIB-SC-B34-2-3-08/22/2022	20469014	Sediment
SIB-SC-B34-3-4-08/22/2022	20469015	Sediment
SIB-SC-B34-4-5-08/22/2022	20469016	Sediment
SIB-SC-B34-5-6-08/22/2022	20469017	Sediment
SIB-SC-C26-0-1-08/23/2022	20469018	Sediment
SIB-SC-C26-1-2-08/23/2022	20469019	Sediment
SIB-SC-C26-2-3-08/23/2022	20469020	Sediment
SIB-SC-C26-3-4-08/23/2022	20469021	Sediment
SIB-SC-C26-4-5-08/23/2022	20469022	Sediment
SIB-SC-C26-5-6-08/23/2022	20469023	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method blanks associated with this SDG were free from contamination with one exception. The method 1613B method bank associated with batch 51620 was contaminated with 0.108 pg/g of 2,3,7,8-TCDD, 0.22 pg/g of 1,2,3,4,6,7,8-HpCDD, 0.484 pg/g of 1,2,3,4,6,7,8,9-OCDD, and 0.284 pg/g of 1,2,3,4,6,7,8-HpCDF, leading to qualification limits of 0.54 pg/g, 1.1 pg/g, 2.42 pg/g, and 1.42 pg/g, respectively. Only sample SIB-SC-C26-5-6-08/23/2022 is associated with this batch, and all detections of these analytes are greater than the qualification limits.

Qualification: None required.

Rinsate Blanks – Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG sampled on 8/20/22 and 8/21/22. The rinsate blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, OCDD was also detected in the method blank at a comparable level. The contamination in this EB is likely due to aqueous sample preparation and not cross contamination and no qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples in this SDG sampled on 8/22/22 and 8/23/22. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

The 1,2,3,4,6,7,8-HpCDD results in sample SIB-SC-B34-1-2-08/22/2022 should be qualified U-EBL. The 1,2,3,7,8-PeCDF results in samples SIB-SC-C26-0-1-08/23/2022, SIB-SC-C26-3-4-08/23/2022, SIB-SC-C26-4-5-08/23/2022, and SIB-SC-C26-5-6-08/23/2022 should be qualified U-EBL. All other associated results are non-detections or above the applicable qualification limit.

***Qualification:* The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-B34-1-2-08/22/2022 are qualified U-EBL. The 1,2,3,7,8-PeCDF results in samples SIB-SC-C26-0-1-08/23/2022, SIB-SC-C26-3-4-08/23/2022, SIB-SC-C26-4-5-08/23/2022, and SIB-SC-C26-5-6-08/23/2022 are qualified U-EBL. The detect_flag for the affected results is changed from Y to N**

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample FD-48-08/20/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – Field duplicate sample FD-48-08/20/2022 was analyzed with this SDG, while its parent sample, SIB-SC-B23-1-2-08/20/2022, was analyzed with SDG 20468. All precision criteria were met.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 5 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- **All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.**
- **All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; ; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.**
- **5 OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.**

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-48-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.339	JK	0.339	J	EMPC
FD-48-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.92	JK	1.92	J	EMPC
SIB-SC-B24-0-1-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.9	JK	0.9	J	EMPC
SIB-SC-B24-0-1-08/20/2022	OCTACHLORODIBENZO-P-DIOXIN	5.1	JK	5.1	J	EMPC
SIB-SC-B24-1-2-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.325	JK	0.325	J	EMPC
SIB-SC-B24-2-3-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.302	JK	0.302	J	EMPC
SIB-SC-B24-3-4-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.192	JK	0.192	J	EMPC
SIB-SC-B24-3-4-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.07	JK	1.07	J	EMPC
SIB-SC-B24-5-6-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.215	JK	0.215	J	EMPC
SIB-SC-B33-1-2-08/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.294	JK	0.294	J	EMPC
SIB-SC-B33-3-4-08/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.24	JK	1.24	J	EMPC
SIB-SC-B33-5-6-08/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.18	JK	2.18	J	EMPC
SIB-SC-B34-1-2-08/22/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.636	J	0.636	U	EBL
SIB-SC-B34-1-2-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.225	JK	0.225	J	EMPC
SIB-SC-B34-2-3-08/22/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.213	JK	0.213	J	EMPC
SIB-SC-B34-4-5-08/22/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.09	JK	2.09	J	EMPC
SIB-SC-C26-0-1-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.3	J	1.3	U	EBL
SIB-SC-C26-0-1-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.29	--	3.29	DNR	EXC
SIB-SC-C26-0-1-08/23/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.728	K	0.728	J	EMPC
SIB-SC-C26-0-1-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	4890	E	4890	J	ACR
SIB-SC-C26-1-2-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.22	K	4.22	J	EMPC
SIB-SC-C26-1-2-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.86	--	4.86	DNR	EXC
SIB-SC-C26-1-2-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	9910	E	9910	J	ACR
SIB-SC-C26-2-3-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.21	JK	2.21	J	EMPC
SIB-SC-C26-2-3-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.36	K	7.36	J	EMPC
SIB-SC-C26-2-3-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.25	--	3.25	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C26-2-3-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	6120	E	6120	J	ACR
SIB-SC-C26-3-4-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.65	JK	3.65	J	EMPC
SIB-SC-C26-3-4-08/23/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.17	K	5.17	J	EMPC
SIB-SC-C26-3-4-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.17	JK	1.17	UJ	EBL,EMPC
SIB-SC-C26-3-4-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.72	JK	1.72	J	EMPC
SIB-SC-C26-3-4-08/23/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.31	JK	3.31	J	EMPC
SIB-SC-C26-3-4-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	K	2.01	DNR	EXC
SIB-SC-C26-3-4-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	K	1.96	J	EMPC
SIB-SC-C26-3-4-08/23/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.08	K	1.08	J	EMPC
SIB-SC-C26-4-5-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.54	JK	3.54	J	EMPC
SIB-SC-C26-4-5-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.02	JK	1.02	UJ	EBL,EMPC
SIB-SC-C26-4-5-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.54	JK	1.54	J	EMPC
SIB-SC-C26-4-5-08/23/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.5	JK	2.5	J	EMPC
SIB-SC-C26-4-5-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.27	--	1.27	DNR	EXC
SIB-SC-C26-4-5-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.34	K	1.34	J	EMPC
SIB-SC-C26-4-5-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	4580	E	4580	J	ACR
SIB-SC-C26-5-6-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.51	J	1.51	U	EBL
SIB-SC-C26-5-6-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.87	JK	1.87	J	EMPC
SIB-SC-C26-5-6-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.25	--	2.25	DNR	EXC
SIB-SC-C26-5-6-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	4240	E	4240	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20470
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 07.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 7.28.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C27-0-1-08/23/2022	20470001	Sediment
SIB-SC-C27-1-2-08/23/2022	20470002	Sediment
SIB-SC-C27-2-3-08/23/2022	20470003	Sediment
SIB-SC-C27-3-4-08/23/2022	20470004	Sediment
SIB-SC-C27-4-5-08/23/2022	20470005	Sediment
SIB-SC-C27-5-5-5-08/23/2022	20470006	Sediment
SIB-SC-B26-1-2-08/23/2022	20470007	Sediment
SIB-SC-B26-2-3-08/23/2022	20470008	Sediment
SIB-SC-B26-3-4-08/23/2022	20470009	Sediment
SIB-SC-B26-3-4-08/23/2022 MS	20470010	Sediment
SIB-SC-B26-3-4-08/23/2022 MSD	20470011	Sediment
SIB-SC-B26-4-5-08/23/2022	20470012	Sediment
SIB-SC-B26-5-6-08/23/2022	20470013	Sediment
FD-51-08/23/2022	20470014	Sediment
SIB-SC-E37-0-1-08/25/2022	20470015	Sediment
SIB-SC-E37-1-2-08/25/2022	20470016	Sediment
SIB-SC-E37-2-3-08/25/2022	20470017	Sediment
SIB-SC-E37-3-4-08/25/2022	20470018	Sediment
SIB-SC-E37-3-4-08/25/2022 MS	20470019	Sediment
SIB-SC-E37-3-4-08/25/2022 MSD	20470020	Sediment
SIB-SC-E37-4-5-08/25/2022	20470021	Sediment
SIB-SC-E37-5-6-08/25/2022	20470022	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was free from contamination.

Qualification: None required.

Rinsate Blanks – Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples in this SDG. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples within the qualification limits should be qualified U-EBL.

***Qualification:* The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.**

- **The 1,2,3,7,8-PeCDD results in samples SIB-SC-C27-5-5.5-08/23/2022 and SIB-SC-E37-3-4-08/25/2022**
- **The 1,2,3,4,7,8-HxCDD result in sample SIB-SC-E37-0-1-08/25/2022**
- **The 1,2,3,7,8,9-HxCDD results in samples SIB-SC-B26-1-2-08/23/2022 and SIB-SC-B26-2-3-08/23/2022**
- **The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-B26-3-4-08/23/2022**
- **The 1,2,3,7,8-PeCDF result in sample SIB-SC-C27-5-5.5-08/23/2022**
- **The 2,3,4,7,8-PeCDF results in samples SIB-SC-E37-0-1-08/25/2022, SIB-SC-E37-1-2-08/25/2022, and SIB-SC-E37-3-4-08/25/2022**
- **The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-E37-0-1-08/25/2022 and SIB-SC-E37-1-2-08/25/2022**
- **The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-E37-0-1-08/25/2022 and SIB-SC-E37-1-2-08/25/2022**

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-B26-3-4-08/23/2022. All %Rs and RPDs were within QAPP control limits. An MS/MSD was performed using

sample SIB-SC-E37-3-4-08/25/2022. All %Rs were within QAPP control limits, with the exception 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDD, which recovered above control limits in the MS. For 1,2,3,4,6,7,8,9-OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-E37-3-4-08/25/2022 should be qualified J-MSH. All RPDs were within QAPP control limits with the exception of 1,2,3,4,6,7,8,9-OCDD. The 1,2,3,4,6,7,8,9-OCDD result in sample SIB-SC-E37-3-4-08/25/2022 should be qualified J-MSP.

Qualification: For sample SIB-SC-E37-3-4-08/25/2022, the 1,2,3,4,6,7,8-HpCDD result is qualified J-MSH and the 1,2,3,4,6,7,8,9-OCDD result is qualified J-MSP.

Field Duplicate – Sample FD-51-08/23/2022 was submitted as a field duplicate of sample SIB-SC-B26-2-3-08/23/2022. All precision criteria were met.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 5 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; ; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- 5 OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.
- One Heptachloro-p-dioxin result reported with a laboratory qualifier of E has the reportable_result field populated with “No” by the laboratory and is changed to “Yes”. Although total congener results are not validated, this result is reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C27-0-1-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.4	JK	4.4	J	EMPC
SIB-SC-C27-0-1-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.13	JK	3.13	J	EMPC
SIB-SC-C27-0-1-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.26	K	4.26	J	EMPC
SIB-SC-C27-0-1-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.86	--	5.86	DNR	EXC
SIB-SC-C27-0-1-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	11500	E	11500	J	ACR
SIB-SC-C27-1-2-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.84	JK	2.84	J	EMPC
SIB-SC-C27-1-2-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.46	JK	1.46	J	EMPC
SIB-SC-C27-1-2-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.46	K	4.46	DNR	EXC
SIB-SC-C27-1-2-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.31	K	4.31	J	EMPC
SIB-SC-C27-1-2-08/23/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.949	K	0.949	J	EMPC
SIB-SC-C27-1-2-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	5430	E	5430	J	ACR
SIB-SC-C27-2-3-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.22	JK	4.22	J	EMPC
SIB-SC-C27-2-3-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.21	JK	4.21	J	EMPC
SIB-SC-C27-2-3-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.9	K	11.9	J	EMPC
SIB-SC-C27-2-3-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.94	K	3.94	DNR	EXC
SIB-SC-C27-2-3-08/23/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.73	K	1.73	J	EMPC
SIB-SC-C27-2-3-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	12700	E	12700	J	ACR
SIB-SC-C27-3-4-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.77	--	3.77	DNR	EXC
SIB-SC-C27-3-4-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.22	K	3.22	J	EMPC
SIB-SC-C27-3-4-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	22000	E	22000	J	ACR
SIB-SC-C27-4-5-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.69	JK	1.69	J	EMPC
SIB-SC-C27-4-5-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.33	JK	2.33	J	EMPC
SIB-SC-C27-4-5-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	K	1.96	DNR	EXC
SIB-SC-C27-4-5-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	6030	E	6030	J	ACR
SIB-SC-C27-5-5-08/23/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.44	JK	4.44	J	EMPC
SIB-SC-C27-5-5-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.492	JK	0.492	UJ	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C27-5-5.5-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.529	J	0.529	U	EBL
SIB-SC-C27-5-5.5-08/23/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.63	JK	3.63	J	EMPC
SIB-SC-B26-1-2-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.534	JK	0.534	UJ	EBL,EMPC
SIB-SC-B26-2-3-08/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.68	JK	1.68	J	EMPC
SIB-SC-B26-2-3-08/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.24	J	0.24	U	EBL
SIB-SC-B26-3-4-08/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.647	J	0.647	U	EBL
SIB-SC-B26-4-5-08/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.25	JK	2.25	J	EMPC
SIB-SC-E37-0-1-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.931	JK	0.931	UJ	EBL,EMPC
SIB-SC-E37-0-1-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.785	J	0.785	U	EBL
SIB-SC-E37-0-1-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.9	J	0.9	U	EBL
SIB-SC-E37-0-1-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.02	JK	1.02	J	EMPC
SIB-SC-E37-0-1-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.681	JK	0.681	J	EMPC
SIB-SC-E37-0-1-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.619	JK	0.619	UJ	EBL,EMPC
SIB-SC-E37-1-2-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.684	JK	0.684	UJ	EBL,EMPC
SIB-SC-E37-1-2-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.785	J	0.785	U	EBL
SIB-SC-E37-1-2-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.664	JK	0.664	J	EMPC
SIB-SC-E37-1-2-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.453	J	0.453	U	EBL
SIB-SC-E37-1-2-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.565	JK	0.565	J	EMPC
SIB-SC-E37-2-3-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.772	JK	0.772	J	EMPC
SIB-SC-E37-3-4-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	112	--	112	J	MSH
SIB-SC-E37-3-4-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.49	JK	1.49	J	EMPC
SIB-SC-E37-3-4-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.18	K	5.18	J	EMPC
SIB-SC-E37-3-4-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.837	J	0.837	U	EBL
SIB-SC-E37-3-4-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.01	J	1.01	U	EBL
SIB-SC-E37-3-4-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.4	--	1.4	DNR	EXC
SIB-SC-E37-3-4-08/25/2022	OCTACHLORODIBENZO-P-DIOXIN	1680	--	1680	J	MSP
SIB-SC-E37-4-5-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2	JK	2	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E37-4-5-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.96	JK	3.96	J	EMPC
SIB-SC-E37-4-5-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.13	K	2.13	DNR	EXC
SIB-SC-E37-4-5-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.15	K	2.15	J	EMPC
SIB-SC-E37-5-6-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.72	JK	2.72	J	EMPC
SIB-SC-E37-5-6-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.24	--	2.24	DNR	EXC



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20471

May 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20471	FD-52-08/25/2022	20471001	SE	✓
20471	SIB-SC-C32-0-1-09/05/2022	20471019	SE	✓
20471	SIB-SC-C37-1-2-09032022	20471008	SE	✓
20471	SIB-SC-C37-2-3-09032022	20471009	SE	✓
20471	SIB-SC-D37-1-2-08252022	20471002	SE	✓
20471	SIB-SC-D37-2-3-08252022	20471003	SE	✓
20471	SIB-SC-D37-4-5-08252022	20471005	SE	✓
20471	SIB-SC-D37-5-6-08252022	20471006	SE	✓
20471	SIB-SC-F37-3-4-09032022	20471013	SE	✓
20471	SIB-SC-F37-4-5-09032022	20471016	SE	✓
20471	SIB-SC-D37-3-4-08252022	20471004	SE	✓
20471	SIB-SC-F37-1-2-09/03/2022	20471011	SE	✓
20471	SIB-SC-C37-3-4-09032022	20471010	SE	✓
20471	SIB-SC-F37-2-3-09032022	20471012	SE	✓
20471	SIB-SC-F37-5-5.9-09032022	20471017	SE	✓
20471	FD-54-09/03/2022	20471018	SE	✓
20471	SIB-SC-C36-0-1-09/05/2022	20471020	SE	✓
20471	SIB-SC-C37-0-1-09032022	20471007	SE	✓

DATA VALIDATION REPORT
HGL – Swan Island Basin
Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20471	18 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For thirteen (13) samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	2	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

The container for Sample SIB-SC-D37-2-3-08/25/2022, arrived cracked. The sample was transferred to a new jar. Sample integrity was maintained; no data were qualified.

For Sample FD-52-08/25/2022, the container date listed 8/24/22, but the chain-of-custody (COC) listed 8/25/22. The COC date was used for login purposes.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-52-08/25/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-D37-3-4-08/25/2022	2,3,7,8-TCDD	U-MBL
SIB-SC-D37-4-5-08/25/2022	2,3,7,8-TCDD	U-MBL
SIB-SC-D37-5-6-08/25/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C37-3-4-09/03/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-C32-0-1-09/05/2022	2,3,7,8-TCDD	U-MBL
SIB-SC-C36-0-1-09/05/2022	2,3,7,8-TCDD	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB09-08242022 and EB10-09052022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDGs 20283 and 20432. EB09-08242022 was not evaluated as SDG 20283 was not submitted to EcoChem for review. EB10-09052022 was free from all contamination.

Matrix Spike/Matrix Spike Duplicate

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-MSL). Only the associated positive results are estimated (J-MSH) if the %R values indicate a potential high bias. No qualifiers are assigned for %R value outliers if the parent concentration is

greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Associated positive results are estimated (J-MSP) if the RPD values indicate uncertainty. Qualifiers are only issued to the parent sample.

The MS/MSD analyses were performed using Sample SIB-SC-F37-3-4-09/03/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
OCDD	Parent > 4x Spike Conc.		31.4	J-MSP
1,2,3,4,6,7,8-HpCDD	50.9	-6.2	22.4	J-MSL,MSLX,MSP
OCDF	--	67.0	--	J-MSL

The MS/MSD analyses were performed using Sample SIB-SC-C-36-0-1-09/05/2022. The following qualifiers were assigned:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
1,2,3,4,6,7,8-HpCDF	--	137	--	J-MSH

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. All acceptance criteria were met.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-E37-2-3-08252022 & FD-52-08/25/2022, were submitted. The following qualifiers were assigned:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDF	Difference	J-FDPA
1,2,3,4,6,7,8-HpCDD	RPD	J-FDPR
1,2,3,6,7,8-HxCDD	Difference	J-FDPA
OCDD	RPD	J-FDPR
Total HpCDD	RPD	J-FDPR
Total HpCDF	RPD	J-FDPR
Total HxCDF	RPD	J-FDPR
Total HxCDD	RPD	J-FDPR
Total PeCDF	Difference	J-FDPA
Total PeCDD	Difference	J-FDPA
Total TCDF	Difference	J-FDPA
Total TCDD	Difference	J-FDPA

One other field duplicate, FD-52-08/25/2022, was submitted. Data for the parent sample, SIB-SC-E37-2-3-08/25/2022, was not submitted to EcoChem for validation. Field precision for this field duplicate sample could not be evaluated.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were also estimated due to MS/MSD accuracy and precision outliers, field duplicate precision outliers, as well as calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
	Next Review Date: June 2023

QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20471001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.75	pg/g	BJ	U	MBL	
FD-52-08/25/2022	20471001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.81	pg/g	J			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0588	pg/g				✓
FD-52-08/25/2022	20471001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.417	pg/g				✓
FD-52-08/25/2022	20471001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	Heptachlorodibenzo-P-Dioxin	9	pg/g	J			✓
FD-52-08/25/2022	20471001	E1613B	HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
FD-52-08/25/2022	20471001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.97	pg/g	J			✓
FD-52-08/25/2022	20471001	E1613B	OCTACHLORODIBENZOFURAN	2.78	pg/g	JK	J	VJ	
FD-52-08/25/2022	20471001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	41.3	pg/g				✓
FD-52-08/25/2022	20471001	E1613B	PENTACHLORO DIBENZOFURAN	0.618	pg/g	BJK	J	VJ	
FD-52-08/25/2022	20471001	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-52-08/25/2022	20471001	E1613B	TOTAL HpCDFs	2.47	pg/g	BJ			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	29.8	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	177	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.52	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.66	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.13	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.42	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.881	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.61	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.839	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.2	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.78	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.63	pg/g	J			✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.96	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.96	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.19	pg/g		DNR	EXC	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.89	pg/g	K	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.694	pg/g	BK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	Heptachlorodibenzo-P-Dioxin	440	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	HEXACHLORODIBENZOFURAN	60.6	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	75.7	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	OCTACHLORODIBENZOFURAN	93.8	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2180	pg/g				✓
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	PENTACHLORO DIBENZOFURAN	34.5	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	PENTACHLORODIBENZO-P-DIOXIN	14	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	28.1	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	5.97	pg/g	JK	J	VJ	
SIB-SC-D37-1-2-08/25/2022	20471002	E1613B	TOTAL HpCDFs	114	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	48.4	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	269	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.78	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.88	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.59	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.13	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.5	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.27	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.69	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.21	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.16	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.91	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.62	pg/g	J			✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	12.7	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	12.7	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.98	pg/g		DNR	EXC	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.75	pg/g	K	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.938	pg/g	BK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	Heptachlorodibenzo-P-Dioxin	597	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	HEXACHLORODIBENZOFURAN	89.5	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	118	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	OCTACHLORODIBENZOFURAN	133	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3600	pg/g				✓
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	PENTACHLORO DIBENZOFURAN	43.2	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	23	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	32.4	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	8	pg/g	JK	J	VJ	
SIB-SC-D37-2-3-08/25/2022	20471003	E1613B	TOTAL HpCDFs	177	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	30.3	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	181	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.05	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.27	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.72	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.58	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.52	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.812	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.59	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.726	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.14	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.3	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.93	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	7.48	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	7.48	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.03	pg/g		DNR	EXC	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.81	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.471	pg/g	BJ	U	MBL	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	Heptachlorodibenzo-P-Dioxin	376	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	HEXACHLORODIBENZOFURAN	52.8	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	63.1	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	OCTACHLORODIBENZOFURAN	106	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2500	pg/g				✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	PENTACHLORO DIBENZOFURAN	26.8	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.5	pg/g	J			✓
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	16.6	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.1	pg/g	JK	J	VJ	
SIB-SC-D37-3-4-08/25/2022	20471004	E1613B	TOTAL HpCDFs	112	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19.2	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	101	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.3	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.19	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.07	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.59	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.32	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.639	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.58	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.708	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.849	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.58	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.34	pg/g	J			✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.97	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.97	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.82	pg/g		DNR	EXC	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.66	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.376	pg/g	BJ	U	MBL	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	Heptachlorodibenzo-P-Dioxin	208	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	HEXACHLORODIBENZOFURAN	36.5	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44.6	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	OCTACHLORODIBENZOFURAN	44	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1120	pg/g				✓
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	PENTACHLORO DIBENZOFURAN	18.6	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	8.37	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12.4	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.28	pg/g	JK	J	VJ	
SIB-SC-D37-4-5-08/25/2022	20471005	E1613B	TOTAL HpCDFs	65.4	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.29	pg/g	BJ	U	MBL	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.64	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.151	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.179	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.247	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.135	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.167	pg/g				✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.382	pg/g				✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.185	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	Heptachlorodibenzo-P-Dioxin	11	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	HEXACHLORODIBENZOFURAN	2.24	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.23	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	OCTACHLORODIBENZOFURAN	3.17	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	58	pg/g				✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	PENTACHLORO DIBENZOFURAN	1.03	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.262	pg/g	J			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.185	pg/g	JK	J	VJ	
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-D37-5-6-08/25/2022	20471006	E1613B	TOTAL HpCDFs	3.8	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	83.8	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	480	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.23	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.2	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.74	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.95	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	27.2	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.1	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.8	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.08	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.57	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	6.29	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.31	pg/g	K	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	21.3	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	21.3	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	6.24	pg/g		DNR	EXC	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	5.71	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.37	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	Heptachlorodibenzo-P-Dioxin	1090	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	HEXACHLORODIBENZOFURAN	148	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	203	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	OCTACHLORODIBENZOFURAN	227	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6520	pg/g	E	J	ACR	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	PENTACHLORO DIBENZOFURAN	75.3	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.5	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	54.1	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	14.8	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20471007	E1613B	TOTAL HpCDFs	305	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	42.5	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	220	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.01	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.41	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.77	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.51	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.6	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.21	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.16	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.55	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.21	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.93	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.93	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.76	pg/g	K	DNR	EXC	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.76	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.613	pg/g	BK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	Heptachlorodibenzo-P-Dioxin	480	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	HEXACHLORODIBENZOFURAN	75.7	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	87.1	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	OCTACHLORODIBENZOFURAN	104	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2930	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	PENTACHLORO DIBENZOFURAN	37.4	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	15.5	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	23.1	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.18	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20471008	E1613B	TOTAL HpCDFs	148	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.9	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.261	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.383	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.287	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.613	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.383	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.178	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.202	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.473	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.674	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.277	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	Heptachlorodibenzo-P-Dioxin	28.5	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	HEXACHLORODIBENZOFURAN	4.86	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	4.96	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	OCTACHLORODIBENZOFURAN	7.03	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	164	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	PENTACHLORO DIBENZOFURAN	2.77	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.381	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.474	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.279	pg/g	BJ			✓
SIB-SC-C37-2-3-09/03/2022	20471009	E1613B	TOTAL HpCDFs	9.46	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.988	pg/g	BJ	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.38	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.237	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.334	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.219	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.135	pg/g				✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.457	pg/g				✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	Heptachlorodibenzo-P-Dioxin	10.7	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	HEXACHLORODIBENZOFURAN	1.57	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.04	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	OCTACHLORODIBENZOFURAN	2.64	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	55.9	pg/g				✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	PENTACHLORO DIBENZOFURAN	0.93	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	PENTACHLORODIBENZO-P-DIOXIN	0.31	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20471010	E1613B	TOTAL HpCDFs	2.97	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	13.1	pg/g		J	FDPA	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	113	pg/g		J	FDPR	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.11	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.14	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.96	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.861	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.22	pg/g		J	FDPA	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.863	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.63	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.473	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.21	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.08	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	4.62	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.76	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	Heptachlorodibenzo-P-Dioxin	268	pg/g		J	FDPR	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	HEXACHLORODIBENZOFURAN	28.8	pg/g	JK	J	FDPR,VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	59	pg/g	JK	J	FDPR,VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	OCTACHLORODIBENZOFURAN	24.6	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	740	pg/g		J	FDPR	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	PENTACHLORO DIBENZOFURAN	11.6	pg/g	JK	J	FDPA,VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	14.7	pg/g	JK	J	FDPA,VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.337	pg/g	JK	J	FDPA,VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.44	pg/g	JK	J	FDPA,VJ	
SIB-SC-F37-1-2-09/03/2022	20471011	E1613B	TOTAL HpCDFs	44.1	pg/g	JK	J	FDPR,VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	121	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	583	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	8.39	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.1	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.85	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.04	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.4	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.12	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10	pg/g	K	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.75	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.38	pg/g	K	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.58	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.5	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	23.3	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	23.3	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.87	pg/g		DNR	EXC	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.19	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	Heptachlorodibenzo-P-Dioxin	1150	pg/g	B			✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	HEXACHLORODIBENZOFURAN	205	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	154	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	OCTACHLORODIBENZOFURAN	463	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	6100	pg/g	E	J	ACR	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	PENTACHLORO DIBENZOFURAN	131	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	31.2	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	53.4	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	11.8	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20471012	E1613B	TOTAL HpCDFs	492	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	43	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	235	pg/g		J	MSL,MSLX,MSP	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.95	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.03	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.02	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.18	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.21	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.76	pg/g	K	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.846	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.9	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.43	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.47	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	10.7	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	10.7	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.72	pg/g		DNR	EXC	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.69	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.64	pg/g	B			✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	Heptachlorodibenzo-P-Dioxin	494	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	HEXACHLORODIBENZOFURAN	76.9	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	96.5	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	OCTACHLORODIBENZOFURAN	146	pg/g		J	MSL	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2740	pg/g		J	MSP	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	PENTACHLORO DIBENZOFURAN	47.6	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	PENTACHLORODIBENZO-P-DIOXIN	18.5	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	26.6	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	7.76	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20471013	E1613B	TOTAL HpCDFs	169	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	41.5	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	254	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.31	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.36	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.46	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.53	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	15.9	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.28	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.82	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.55	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.83	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	11.9	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	11.9	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.41	pg/g		DNR	EXC	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.736	pg/g	BK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	Heptachlorodibenzo-P-Dioxin	525	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	HEXACHLORODIBENZOFURAN	78.5	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	119	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	OCTACHLORODIBENZOFURAN	98.2	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2770	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	PENTACHLORO DIBENZOFURAN	42.2	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	PENTACHLORODIBENZO-P-DIOXIN	22.3	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	31.1	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.3	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20471016	E1613B	TOTAL HpCDFs	141	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	33.1	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	214	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.53	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.44	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.98	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.56	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.7	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.34	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.31	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.988	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.67	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.67	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.46	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	9.44	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	9.44	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.46	pg/g		DNR	EXC	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.23	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.623	pg/g	BK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	Heptachlorodibenzo-P-Dioxin	454	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	HEXACHLORODIBENZOFURAN	66.2	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	92.8	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	OCTACHLORODIBENZOFURAN	82.9	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	2420	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	PENTACHLORO DIBENZOFURAN	32.6	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	17.2	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	19.2	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.02	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20471017	E1613B	TOTAL HpCDFs	118	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	50.1	pg/g		J	FDPA	
FD-54-09/03/2022	20471018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	621	pg/g		J	FDPR	
FD-54-09/03/2022	20471018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.94	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.84	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.79	pg/g	JK	J	VJ	
FD-54-09/03/2022	20471018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.61	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	32	pg/g		J	FDPA	
FD-54-09/03/2022	20471018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.13	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10.5	pg/g				✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.79	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.71	pg/g	K	J	VJ	
FD-54-09/03/2022	20471018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.63	pg/g	J			✓
FD-54-09/03/2022	20471018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	17.8	pg/g				✓
FD-54-09/03/2022	20471018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	17.9	pg/g				✓
FD-54-09/03/2022	20471018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	pg/g		DNR	EXC	
FD-54-09/03/2022	20471018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.08	pg/g				✓
FD-54-09/03/2022	20471018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-54-09/03/2022	20471018	E1613B	Heptachlorodibenzo-P-Dioxin	1440	pg/g		J	FDPR	
FD-54-09/03/2022	20471018	E1613B	HEXACHLORODIBENZOFURAN	149	pg/g	JK	J	FDPR,VJ	
FD-54-09/03/2022	20471018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	298	pg/g	JK	J	FDPR,VJ	
FD-54-09/03/2022	20471018	E1613B	OCTACHLORODIBENZOFURAN	40.6	pg/g				✓
FD-54-09/03/2022	20471018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3890	pg/g		J	FDPR	
FD-54-09/03/2022	20471018	E1613B	PENTACHLORO DIBENZOFURAN	67.4	pg/g	JK	J	FDPA,VJ	
FD-54-09/03/2022	20471018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	100	pg/g	JK	J	FDPA,VJ	
FD-54-09/03/2022	20471018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.9	pg/g	JK	J	FDPA,VJ	
FD-54-09/03/2022	20471018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	26	pg/g	JK	J	FDPA,VJ	
FD-54-09/03/2022	20471018	E1613B	TOTAL HpCDFs	149	pg/g	JK	J	FDPR,VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	30	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	165	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.13	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.25	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.88	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.44	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.98	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.976	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.17	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.571	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.71	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.55	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	6.05	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	6.05	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.779	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.24	pg/g	BJK	U	MBL	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	Heptachlorodibenzo-P-Dioxin	356	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	HEXACHLORODIBENZOFURAN	47.2	pg/g	J			✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	44.5	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	OCTACHLORODIBENZOFURAN	90.2	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1360	pg/g				✓
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	PENTACHLORO DIBENZOFURAN	14.1	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	PENTACHLORODIBENZO-P-DIOXIN	6.91	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.62	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.63	pg/g	JK	J	VJ	
SIB-SC-C32-0-1-09/05/2022	20471019	E1613B	TOTAL HpCDFs	111	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	31.3	pg/g		J	MSH	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	246	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.06	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.64	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.37	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.6	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.28	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.18	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.14	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.11	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.28	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.99	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	8.1	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	8.1	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.726	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.313	pg/g	BJK	U	MBL	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	Heptachlorodibenzo-P-Dioxin	483	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	HEXACHLORODIBENZOFURAN	55.9	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	HEXACHLORODIBENZO-P-DIOXIN	64.9	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	OCTACHLORODIBENZOFURAN	79.9	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1880	pg/g				✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	PENTACHLORO DIBENZOFURAN	23.3	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	PENTACHLORODIBENSO-P-DIOXIN	10.6	pg/g	J			✓
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	7.61	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.33	pg/g	JK	J	VJ	
SIB-SC-C36-0-1-09/05/2022	20471020	E1613B	TOTAL HpCDFs	109	pg/g	J			✓

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
 PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20472
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.16.23
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 08.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-B25-1-2-07/25/2022	20472001	Sediment
SIB-SC-B25-2-3-07/25/2022	20472002	Sediment
SIB-SC-B25-3-4-07/25/2022	20472003	Sediment
SIB-SC-B25-4-5-07/25/2022	20472004	Sediment
SIB-SC-B25-5-6-07/25/2022	20472005	Sediment
SIB-SC-D35-1-2-08/04/2022	20472006	Sediment
SIB-SC-D35-2-3-08/04/2022	20472007	Sediment
SIB-SC-D35-3-4-08/04/2022	20472008	Sediment
SIB-SC-D35-4-5-08/04/2022	20472009	Sediment
SIB-SC-D35-5-6-08/04/2022	20472010	Sediment
SIB-SC-D35-6-7-08/04/2022	20472011	Sediment
SIB-SC-D35-7-8-08/04/2022	20472012	Sediment
SIB-SC-D35-8-9-08/04/2022	20472013	Sediment
SIB-SC-D35-9-10-08/04/2022	20472014	Sediment
SIB-SC-D35-10-11-08/04/2022	20472015	Sediment
SIB-SC-D35-11-12-08/04/2022	20472016	Sediment
SIB-SC-D35-12-13-08/04/2022	20472017	Sediment
SIB-SC-D35-13-14-08/04/2022	20472018	Sediment
SIB-SC-D35-14-15-08/04/2022	20472019	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method bank associated with batch 51448 was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

- PCB-3 was detected at 5.86 pg/g, leading to a qualification threshold of 29.3 pg/g
- PCB-11 was detected at 31.8 pg/g, leading to a qualification threshold of 159 pg/g
- PCB-20/28 was detected at 7.60 pg/g, leading to a qualification threshold of 38.0 pg/g
- PCB- 86/87/97/109/119/125 was detected at 8.14 pg/g, leading to a qualification threshold of 40.7 pg/g
- PCB-110/115 was detected at 7.20 pg/g, leading to a qualification threshold of 36.0 pg/g

The following results are qualified U-MBL:

- SIB-SC-B25-1-2-07/25/2022: PCB-11, PCB-110/115, PCB-20/28
- SIB-SC-B25-2-3-07/25/2022: PCB-86/87/97/109/119/125, PCB-110/115, PCB-20/28
- SIB-SC-B25-3-4-07/25/2022: PCB-11, PCB-86/87/97/109/119/125, PCB-110/115, PCB-20/28
- SIB-SC-B25-4-5-07/25/2022: PCB-11, PCB-86/87/97/109/119/125, PCB-110/115, PCB-20/28
- SIB-SC-B25-5-6-07/25/2022: PCB-11, PCB-86/87/97/109/119/125, PCB-110/115, PCB-20/28
- SIB-SC-D35-4-5-08/04/2022: PCB-11
- SIB-SC-D35-5-6-08/04/2022: PCB-11
- SIB-SC-D35-6-7-08/04/2022: PCB-11
- SIB-SC-D35-7-8-08/04/2022: PCB-11
- SIB-SC-D35-8-9-08/04/2022: PCB-11
- SIB-SC-D35-9-10-08/04/2022: PCB-11
- SIB-SC-D35-10-11-08/04/2022: PCB-11
- SIB-SC-D35-11-12-08/04/2022: PCB-11
- SIB-SC-D35-12-13-08/04/2022: PCB-11
- SIB-SC-D35-13-14-08/04/2022: PCB-11
- SIB-SC-D35-14-15-08/04/2022: PCB-11

The method 1668C method bank associated with batch 51518 was contaminated with many PCBs; this method blank is only associated with sample SIB-SC-D35-2-3-08/04/2022. The laboratory applies a B flag to all results that are <10x the concentration in the associated method blank. No results in sample SIB-SC-D35-2-3-08/04/2022 have a laboratory flag of B applied, indicating that all associated detections are greater than the qualification threshold and do not require qualification.

Qualification: Detections of contaminated compounds detected below the qualification threshold are qualified U, reason code MBL. Affected results are listed above.

Trip Blanks – A trip blank was not submitted with the samples in this SDG.

Qualification: None required.

Equipment Blanks – Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected on 7.25.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25
PCB-17	5.38	5.38	26.9

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

The following results were qualified U-EBL due to contamination in EB05-07262022

- SIB-SC-B25-1-2-07/25/2022: PCB-8, PCB-20/28, PCB-110/115, PCB-118
- SIB-SC-B25-2-3-07/25/2022: PCB-8, PCB-18/30, PCB-20/28, PCB-86/87/97/109/119/125, PCB-110/115, PCB-118, PCB-135/151, PCB-147/149
- SIB-SC-B25-3-4-07/25/2022: PCB-20/28, PCB-86/87/97/109/119/125, PCB-110/115
- SIB-SC-B25-4-5-07/25/2022: PCB-4, PCB-8, PCB-20/28, PCB-86/87/97/109/119/125, PCB-110/115, PCB-118, PCB-135/151, PCB-147/149
- SIB-SC-B25-5-6-07/25/2022: PCB-8, PCB-17, PCB-18/30, PCB-20/28, PCB-21/33, PCB-31, PCB-32, PCB-44/47/65, PCB-45/51, PCB-50/53, PCB-86/87/97/109/119/125, PCB-95, PCB-110/115, PCB-118, PCB-147/149

Equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.4.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-18/30	24	24	120
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

The following results were qualified U-EBL due to contamination in EB06-08042022

- SIB-SC-D35-1-2-08/04/2022: PCB-4
- SIB-SC-D35-2-3-08/04/2022: PCB-184
- SIB-SC-D35-4-5-08/04/2022: PCB-4
- SIB-SC-D35-5-6-08/04/2022: PCB-184
- SIB-SC-D35-6-7-08/04/2022: PCB-184
- SIB-SC-D35-7-8-08/04/2022: PCB-184
- SIB-SC-D35-9-10-08/04/2022: PCB-4
- SIB-SC-D35-10-11-08/04/2022: PCB-184
- SIB-SC-D35-14-15-08/04/2022: PCB-184

Ambient Blanks – An ambient blank was not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analysis was performed on sample SIB-SC-B25-1-2-07/25/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – A field duplicate was not submitted with the samples in this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-1-2-07/25/2022	2,4'-DICHLOROBIPHENYL (8)	10.9	J	10.9	U	EBL
SIB-SC-B25-1-2-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	33.6	BJ	33.6	U	MBL
SIB-SC-B25-1-2-07/25/2022	PCB-180/193	6.97	CJK	6.97	J	EMPC
SIB-SC-B25-1-2-07/25/2022	PCB-153/168	8.26	CJK	8.26	J	EMPC
SIB-SC-B25-1-2-07/25/2022	PCB-90/101/113	7.64	CJK	7.64	J	EMPC
SIB-SC-B25-1-2-07/25/2022	PCB-110/115	6.6	BCJK	6.6	UJ	MBL,EBL,EMPC
SIB-SC-B25-1-2-07/25/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	6.15	JK	6.15	UJ	EBL,EMPC
SIB-SC-B25-1-2-07/25/2022	PCB-20/28	11.2	BCJK	11.2	UJ	MBL,EBL,EMPC
SIB-SC-B25-2-3-07/25/2022	2,4'-DICHLOROBIPHENYL (8)	25.1	JK	25.1	UJ	EBL,EMPC
SIB-SC-B25-2-3-07/25/2022	2,5-DICHLOROBIPHENYL (9)	24.8	JK	24.8	J	EMPC
SIB-SC-B25-2-3-07/25/2022	PCB-135/151	15.6	CJK	15.6	UJ	EBL,EMPC
SIB-SC-B25-2-3-07/25/2022	PCB-147/149	15.5	CJ	15.5	U	EBL
SIB-SC-B25-2-3-07/25/2022	PCB-153/168	13.2	CJK	13.2	J	EMPC
SIB-SC-B25-2-3-07/25/2022	PCB-86/87/97/109/119/125	16.4	BCJ	16.4	U	MBL,EBL
SIB-SC-B25-2-3-07/25/2022	PCB-110/115	21.3	BCJK	21.3	UJ	MBL,EBL,EMPC
SIB-SC-B25-2-3-07/25/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	16.2	J	16.2	U	EBL
SIB-SC-B25-2-3-07/25/2022	PCB-18/30	15	CJ	15	U	EBL
SIB-SC-B25-2-3-07/25/2022	PCB-20/28	18.9	BCJK	18.9	UJ	MBL,EBL,EMPC
SIB-SC-B25-3-4-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	25.1	BJK	25.1	UJ	MBL,EMPC
SIB-SC-B25-3-4-07/25/2022	PCB-86/87/97/109/119/125	6.52	BCJ	6.52	U	MBL,EBL
SIB-SC-B25-3-4-07/25/2022	PCB-110/115	5.55	BCJK	5.55	UJ	MBL,EBL,EMPC
SIB-SC-B25-3-4-07/25/2022	PCB-61/70/74/76	9.32	CJK	9.32	J	EMPC
SIB-SC-B25-3-4-07/25/2022	PCB-20/28	9.32	BCJ	9.32	U	MBL,EBL
SIB-SC-B25-4-5-07/25/2022	2,2'-DICHLOROBIPHENYL (4)	20.3	JK	20.3	UJ	EBL,EMPC
SIB-SC-B25-4-5-07/25/2022	2,4'-DICHLOROBIPHENYL (8)	7.82	J	7.82	U	EBL
SIB-SC-B25-4-5-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	24.6	BJ	24.6	U	MBL
SIB-SC-B25-4-5-07/25/2022	PCB-129/138/163	9.4	CJK	9.4	J	EMPC
SIB-SC-B25-4-5-07/25/2022	PCB-135/151	5.66	CJK	5.66	UJ	EBL,EMPC
SIB-SC-B25-4-5-07/25/2022	PCB-147/149	6.47	CJK	6.47	UJ	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-4-5-07/25/2022	PCB-86/87/97/109/119/125	9.51	BCJK	9.51	UJ	MBL,EBL,EMPC
SIB-SC-B25-4-5-07/25/2022	PCB-90/101/113	8.25	CJK	8.25	J	EMPC
SIB-SC-B25-4-5-07/25/2022	PCB-110/115	7.63	BCJK	7.63	UJ	MBL,EBL,EMPC
SIB-SC-B25-4-5-07/25/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	7.54	J	7.54	U	EBL
SIB-SC-B25-4-5-07/25/2022	PCB-20/28	8.55	BCJ	8.55	U	MBL,EBL
SIB-SC-B25-5-6-07/25/2022	2-CHLOROBIPHENYL (1)	5.04	JK	5.04	J	EMPC
SIB-SC-B25-5-6-07/25/2022	2,4'-DICHLOROBIPHENYL (8)	12.2	J	12.2	U	EBL
SIB-SC-B25-5-6-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	37.1	BJ	37.1	U	MBL
SIB-SC-B25-5-6-07/25/2022	PCB-129/138/163	7.56	CJK	7.56	J	EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-147/149	7.92	CJ	7.92	U	EBL
SIB-SC-B25-5-6-07/25/2022	PCB-86/87/97/109/119/125	11.2	BCJ	11.2	U	MBL,EBL
SIB-SC-B25-5-6-07/25/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	8.41	J	8.41	U	EBL
SIB-SC-B25-5-6-07/25/2022	PCB-110/115	8.71	BCJ	8.71	U	MBL,EBL
SIB-SC-B25-5-6-07/25/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	4.49	JK	4.49	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-44/47/65	16.5	CJ	16.5	U	EBL
SIB-SC-B25-5-6-07/25/2022	PCB-45/51	8.76	CJK	8.76	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-50/53	6.85	CJ	6.85	U	EBL
SIB-SC-B25-5-6-07/25/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	2.85	JK	2.85	J	EMPC
SIB-SC-B25-5-6-07/25/2022	2,2',4-TRICHLOROBIPHENYL (17)	6.49	JK	6.49	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-18/30	5.61	CJK	5.61	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-20/28	8.55	BCJK	8.55	UJ	MBL,EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	PCB-21/33	6.66	CJK	6.66	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	2,4',5-TRICHLOROBIPHENYL (31)	4.93	JK	4.93	UJ	EBL,EMPC
SIB-SC-B25-5-6-07/25/2022	2,4',6-TRICHLOROBIPHENYL (32)	4.66	J	4.66	U	EBL
SIB-SC-D35-1-2-08/04/2022	2,2'-DICHLOROBIPHENYL (4)	118	J	118	U	EBL
SIB-SC-D35-1-2-08/04/2022	2,4-DICHLOROBIPHENYL (7)	18.2	JK	18.2	J	EMPC
SIB-SC-D35-1-2-08/04/2022	2,5-DICHLOROBIPHENYL (9)	32.9	JK	32.9	J	EMPC
SIB-SC-D35-1-2-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	9.45	JK	9.45	J	EMPC
SIB-SC-D35-1-2-08/04/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	2.73	JK	2.73	J	EMPC
SIB-SC-D35-1-2-08/04/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	18.9	JK	18.9	J	EMPC
SIB-SC-D35-1-2-08/04/2022	3,3',4,4,5,5'-PENTACHLOROBIPHENYL (127)	15.9	JK	15.9	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-1-2-08/04/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	13.3	JK	13.3	J	EMPC
SIB-SC-D35-1-2-08/04/2022	2',3,5-TRICHLOROBIPHENYL (34)	16.7	JK	16.7	J	EMPC
SIB-SC-D35-2-3-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	5.03	J	5.03	U	EBL
SIB-SC-D35-2-3-08/04/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	22.7	JK	22.7	J	EMPC
SIB-SC-D35-2-3-08/04/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	7.04	JK	7.04	J	EMPC
SIB-SC-D35-2-3-08/04/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	8.51	JK	8.51	J	EMPC
SIB-SC-D35-2-3-08/04/2022	2,3,5-TRICHLOROBIPHENYL (23)	3.27	JK	3.27	J	EMPC
SIB-SC-D35-2-3-08/04/2022	3,4',5-TRICHLOROBIPHENYL (39)	45.9	JK	45.9	J	EMPC
SIB-SC-D35-3-4-08/04/2022	2,4-DICHLOROBIPHENYL (7)	25.7	JK	25.7	J	EMPC
SIB-SC-D35-3-4-08/04/2022	2,5-DICHLOROBIPHENYL (9)	57.1	JK	57.1	J	EMPC
SIB-SC-D35-3-4-08/04/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	24.4	JK	24.4	J	EMPC
SIB-SC-D35-3-4-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	15.5	JK	15.5	J	EMPC
SIB-SC-D35-3-4-08/04/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	23.9	JK	23.9	J	EMPC
SIB-SC-D35-4-5-08/04/2022	2,2'-DICHLOROBIPHENYL (4)	147	J	147	U	EBL
SIB-SC-D35-4-5-08/04/2022	2,4-DICHLOROBIPHENYL (7)	17.1	JK	17.1	J	EMPC
SIB-SC-D35-4-5-08/04/2022	2,5-DICHLOROBIPHENYL (9)	41.6	JK	41.6	J	EMPC
SIB-SC-D35-4-5-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	91.4	BJ	91.4	U	MBL
SIB-SC-D35-4-5-08/04/2022	PCB-12/13	45.8	CJK	45.8	J	EMPC
SIB-SC-D35-4-5-08/04/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	19.4	JK	19.4	J	EMPC
SIB-SC-D35-4-5-08/04/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	5.61	JK	5.61	J	EMPC
SIB-SC-D35-4-5-08/04/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	21	JK	21	J	EMPC
SIB-SC-D35-4-5-08/04/2022	2',3,5-TRICHLOROBIPHENYL (34)	30.1	JK	30.1	J	EMPC
SIB-SC-D35-4-5-08/04/2022	3,4',5-TRICHLOROBIPHENYL (39)	48.5	JK	48.5	J	EMPC
SIB-SC-D35-5-6-08/04/2022	2,4-DICHLOROBIPHENYL (7)	42	JK	42	J	EMPC
SIB-SC-D35-5-6-08/04/2022	2,5-DICHLOROBIPHENYL (9)	71.8	JK	71.8	J	EMPC
SIB-SC-D35-5-6-08/04/2022	2,6-DICHLOROBIPHENYL (10)	15.8	JK	15.8	J	EMPC
SIB-SC-D35-5-6-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	120	BJ	120	U	MBL
SIB-SC-D35-5-6-08/04/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	22.4	JK	22.4	J	EMPC
SIB-SC-D35-5-6-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	6.74	JK	6.74	UJ	EBL,EMPC
SIB-SC-D35-5-6-08/04/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	99.8	JK	99.8	J	EMPC
SIB-SC-D35-6-7-08/04/2022	2,5-DICHLOROBIPHENYL (9)	62	JK	62	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-6-7-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	82.5	BJK	82.5	UJ	MBL,EMPC
SIB-SC-D35-6-7-08/04/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	24	JK	24	J	EMPC
SIB-SC-D35-6-7-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	9.22	J	9.22	U	EBL
SIB-SC-D35-6-7-08/04/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	49.4	JK	49.4	J	EMPC
SIB-SC-D35-6-7-08/04/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	48.9	JK	48.9	J	EMPC
SIB-SC-D35-6-7-08/04/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	22.1	JK	22.1	J	EMPC
SIB-SC-D35-6-7-08/04/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	247	K	247		EMPC
SIB-SC-D35-7-8-08/04/2022	3-CHLOROBIPHENYL (2)	38.8	JK	38.8	J	EMPC
SIB-SC-D35-7-8-08/04/2022	2,5-DICHLOROBIPHENYL (9)	74.2	JK	74.2	J	EMPC
SIB-SC-D35-7-8-08/04/2022	2,6-DICHLOROBIPHENYL (10)	17.2	JK	17.2	J	EMPC
SIB-SC-D35-7-8-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	128	BJ	128	U	MBL
SIB-SC-D35-7-8-08/04/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (181)	43.5	JK	43.5	J	EMPC
SIB-SC-D35-7-8-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	8.94	JK	8.94	UJ	EBL,EMPC
SIB-SC-D35-7-8-08/04/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	48.7	JK	48.7	J	EMPC
SIB-SC-D35-7-8-08/04/2022	3,3',4-TRICHLOROBIPHENYL (35)	64.2	JK	64.2	J	EMPC
SIB-SC-D35-8-9-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	118	BJ	118	U	MBL
SIB-SC-D35-8-9-08/04/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	10.8	JK	10.8	J	EMPC
SIB-SC-D35-8-9-08/04/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (181)	27.4	JK	27.4	J	EMPC
SIB-SC-D35-8-9-08/04/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	16.4	JK	16.4	J	EMPC
SIB-SC-D35-8-9-08/04/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	3.93	JK	3.93	J	EMPC
SIB-SC-D35-8-9-08/04/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	96.6	JK	96.6	J	EMPC
SIB-SC-D35-8-9-08/04/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	28	JK	28	J	EMPC
SIB-SC-D35-8-9-08/04/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	26.5	JK	26.5	J	EMPC
SIB-SC-D35-9-10-08/04/2022	3-CHLOROBIPHENYL (2)	22.6	JK	22.6	J	EMPC
SIB-SC-D35-9-10-08/04/2022	2,2'-DICHLOROBIPHENYL (4)	133	J	133	U	EBL
SIB-SC-D35-9-10-08/04/2022	2,5-DICHLOROBIPHENYL (9)	38.8	JK	38.8	J	EMPC
SIB-SC-D35-9-10-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	84.4	BJ	84.4	U	MBL
SIB-SC-D35-9-10-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	9.22	JK	9.22	J	EMPC
SIB-SC-D35-9-10-08/04/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	28.9	JK	28.9	J	EMPC
SIB-SC-D35-9-10-08/04/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	5.43	JK	5.43	J	EMPC
SIB-SC-D35-9-10-08/04/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	53	JK	53	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-9-10-08/04/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	33.2	JK	33.2	J	EMPC
SIB-SC-D35-9-10-08/04/2022	2,3',6-TRICHLOROBIPHENYL (27)	71.1	JK	71.1	J	EMPC
SIB-SC-D35-10-11-08/04/2022	3-CHLOROBIPHENYL (2)	31.8	JK	31.8	J	EMPC
SIB-SC-D35-10-11-08/04/2022	2,4-DICHLOROBIPHENYL (7)	39.7	JK	39.7	J	EMPC
SIB-SC-D35-10-11-08/04/2022	2,5-DICHLOROBIPHENYL (9)	58.6	JK	58.6	J	EMPC
SIB-SC-D35-10-11-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	136	BJ	136	U	MBL
SIB-SC-D35-10-11-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	6	J	6	U	EBL
SIB-SC-D35-10-11-08/04/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	6.77	JK	6.77	J	EMPC
SIB-SC-D35-11-12-08/04/2022	2,4-DICHLOROBIPHENYL (7)	46.9	JK	46.9	J	EMPC
SIB-SC-D35-11-12-08/04/2022	2,5-DICHLOROBIPHENYL (9)	52	JK	52	J	EMPC
SIB-SC-D35-11-12-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	88.3	BJK	88.3	UJ	MBL,EMPC
SIB-SC-D35-11-12-08/04/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	568	K	568	J	EMPC
SIB-SC-D35-11-12-08/04/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	61.8	JK	61.8	J	EMPC
SIB-SC-D35-11-12-08/04/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	55.7	JK	55.7	J	EMPC
SIB-SC-D35-11-12-08/04/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	202	K	202	J	EMPC
SIB-SC-D35-12-13-08/04/2022	3-CHLOROBIPHENYL (2)	25.5	JK	25.5	J	EMPC
SIB-SC-D35-12-13-08/04/2022	2,4-DICHLOROBIPHENYL (7)	32.8	JK	32.8	J	EMPC
SIB-SC-D35-12-13-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	94.6	BJ	94.6	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-12-13-08/04/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	17	JK	17	J	EMPC
SIB-SC-D35-12-13-08/04/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	10.4	JK	10.4	J	EMPC
SIB-SC-D35-12-13-08/04/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	27.1	JK	27.1	J	EMPC
SIB-SC-D35-12-13-08/04/2022	3,3',4-TRICHLOROBIPHENYL (35)	49.9	JK	49.9	J	EMPC
SIB-SC-D35-13-14-08/04/2022	3-CHLOROBIPHENYL (2)	19.7	JK	19.7	J	EMPC
SIB-SC-D35-13-14-08/04/2022	2,5-DICHLOROBIPHENYL (9)	35.8	JK	35.8	J	EMPC
SIB-SC-D35-13-14-08/04/2022	2,6-DICHLOROBIPHENYL (10)	15.1	JK	15.1	J	EMPC
SIB-SC-D35-13-14-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	39	BJ	39	U	MBL
SIB-SC-D35-13-14-08/04/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	11.3	JK	11.3	J	EMPC
SIB-SC-D35-13-14-08/04/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	222	K	222	J	EMPC
SIB-SC-D35-13-14-08/04/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	3.39	JK	3.39	J	EMPC
SIB-SC-D35-14-15-08/04/2022	3-CHLOROBIPHENYL (2)	41.2	JK	41.2	J	EMPC
SIB-SC-D35-14-15-08/04/2022	2,4-DICHLOROBIPHENYL (7)	69.9	JK	69.9	J	EMPC
SIB-SC-D35-14-15-08/04/2022	2,6-DICHLOROBIPHENYL (10)	21.1	JK	21.1	J	EMPC
SIB-SC-D35-14-15-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	74.1	BJK	74.1	UJ	MBL,EMPC
SIB-SC-D35-14-15-08/04/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	27.5	JK	27.5	J	EMPC
SIB-SC-D35-14-15-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	10	JK	10	U	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-14-15-08/04/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	13.3	JK	13.3	J	EMPC
SIB-SC-D35-14-15-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	9.81	JK	9.81	J	EMPC
SIB-SC-D35-14-15-08/04/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	38.2	JK	38.2	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20473
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.17.23
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 08.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E23-1-2-08/17/2022	20473001	Sediment
SIB-SC-E23-2-3-08/17/2022	20473002	Sediment
SIB-SC-E23-3-4-08/17/2022	20473003	Sediment
SIB-SC-E23-4-5-08/17/2022	20473004	Sediment
SIB-SC-E23-5-6-08/17/2022	20473005	Sediment
SIB-SC-F23-1-2-08/17/2022	20473006	Sediment
SIB-SC-F23-2-3-08/17/2022	20473007	Sediment
SIB-SC-F23-3-4-08/17/2022	20473008	Sediment
SIB-SC-F23-4-5-08/17/2022	20473009	Sediment
SIB-SC-F23-5-6-08/17/2022	20473010	Sediment
SIB-SC-B23-1-2-08/20/2022	20473011	Sediment
SIB-SC-B23-2-3-08/20/2022	20473012	Sediment
SIB-SC-B23-2-3-08/20/2022 MS	20473013	Sediment
SIB-SC-B23-2-3-08/20/2022 MSD	20473014	Sediment
SIB-SC-B23-3-4-08/20/2022	20473015	Sediment
SIB-SC-B23-4-5-08/20/2022	20473016	Sediment
SIB-SC-B23-5-6-08/20/2022	20473017	Sediment
FD-48-08/20/2022	20473018	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

- PCB-11 was detected at 17.5 pg/g, leading to a qualification threshold of 87.5 pg/g

- PCB-17 was detected at 2.98 pg/g, leading to a qualification threshold of 14.9 pg/g
- PCB-19 was detected at 2.96 pg/g, leading to a qualification threshold of 14.8 pg/g
- PCB-20/28 was detected at 3.82 pg/g, leading to a qualification threshold of 19.1 pg/g
- PCB-21/33 was detected at 3.14 pg/g, leading to a qualification threshold of 15.7 pg/g
- PCB-31 was detected at 2.44 pg/g, leading to a qualification threshold of 12.2 pg/g
- PCB-32 was detected at 1.94 pg/g, leading to a qualification threshold of 9.70 pg/g
- PCB-44/47/65 was detected at 5.54 pg/g, leading to a qualification threshold of 27.7 pg/g
- PCB-45/51 was detected at 2.32 pg/g, leading to a qualification threshold of 11.6 pg/g
- PCB-52 was detected at 4.36 pg/g, leading to a qualification threshold of 21.8 pg/g
- PCB-61/70/74/76 was detected at 7.26 pg/g, leading to a qualification threshold of 36.3 pg/g
- PCB-66 was detected at 3.00 pg/g, leading to a qualification threshold of 15.0 pg/g
- PCB-77 was detected at 3.04 pg/g, leading to a qualification threshold of 15.2 pg/g
- PCB- 86/87/97/109/119/125 was detected at 6.20 pg/g, leading to a qualification threshold of 31.0 pg/g
- PCB-90/101/113 was detected at 5.20 pg/g, leading to a qualification threshold of 26.0 pg/g
- PCB-95 was detected at 4.42 pg/g, leading to a qualification threshold of 22.1 pg/g
- PCB-99 was detected at 2.56 pg/g, leading to a qualification threshold of 12.8 pg/g
- PCB-110/115 was detected at 5.78 pg/g, leading to a qualification threshold of 28.9 pg/g
- PCB-118 was detected at 5.22 pg/g, leading to a qualification threshold of 26.1 pg/g
- PCB-128/166 was detected at 2.22 pg/g, leading to a qualification threshold of 11.1 pg/g
- PCB-129/138/163 was detected at 5.52 pg/g, leading to a qualification threshold of 27.6 pg/g
- PCB-135/151 was detected at 2.12 pg/g, leading to a qualification threshold of 10.6 pg/g
- PCB-147/149 was detected at 3.32 pg/g, leading to a qualification threshold of 16.6 pg/g
- PCB-153/168 was detected at 4.22 pg/g, leading to a qualification threshold of 21.1 pg/g
- PCB-156/157 was detected at 4.44 pg/g, leading to a qualification threshold of 22.2 pg/g
- PCB-167 was detected at 1.92 pg/g, leading to a qualification threshold of 9.60 pg/g
- PCB-169 was detected at 2.04 pg/g, leading to a qualification threshold of 10.1 pg/g
- PCB-174 was detected at 1.88 pg/g, leading to a qualification threshold of 9.90 pg/g
- PCB-179 was detected at 1.14 pg/g, leading to a qualification threshold of 5.70 pg/g
- PCB-180/193 was detected at 3.38 pg/g, leading to a qualification threshold of 16.9 pg/g
- PCB-187 was detected at 2.06 pg/g, leading to a qualification threshold of 10.3 pg/g
- PCB-189 was detected at 2.12 pg/g, leading to a qualification threshold of 10.6 pg/g
- PCB-194 was detected at 2.58 pg/g, leading to a qualification threshold of 12.9 pg/g
- PCB-198/199 was detected at 2.52 pg/g, leading to a qualification threshold of 12.6 pg/g

The following results are qualified U-MBL:

- SIB-SC-E23-4-5-08/17/2022: PCB-11
- SIB-SC-E23-5-6-08/17/2022: PCB-11
- SIB-SC-B23-1-2-08/20/2022: PCB-11, PCB-174, PCB-79, PCB-180/193, PCB-187, PCB-128/166, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-17, PCB-19, PCB-20/28, PCB-21/33, PCB-31
- SIB-SC-B23-2-3-08/20/2022: PCB-174, PCB-179, PCB-180/193, PCB-187, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-194, PCB-198/199, PCB-167, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB95, PCB-99, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-17, PCB-19, PCB-20/28, PCB-21/33, PCB-31, PCB-32

- SIB-SC-B23-3-4-08/20/2022: PCB-11, PCB-174, PCB-179, PCB-180/193, PCB-187, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-17, PCB-19, PCB-20/28, PCB-21/33, PCB-31, PCB-32
- SIB-SC-B23-4-5-08/20/2022: PCB-11, PCB-174, PCB-179, PCB-180/193, PCB-187, PCB-189, PCB-128/166, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-169, PCB-194, PCB-198/199, PCB-167, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-77, PCB-17, PCB-19, PCB-20/28, PCB-21/33, PCB-31, PCB-32
- SIB-SC-D35-5-6-08/04/2022: PCB-11, PCB-174, PCB-180/193, PCB-187, PCB-189, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-169, PCB-194, PCB-198/199, PCB-167, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-20/28, PCB-21/33, PCB-31
- SIB-SC-D35-6-7-08/04/2022: PCB-11, PCB-174, PCB-179, PCB-180/193, PCB-187, PCB-128/166, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-156/157, PCB-194, PCB-198/199, PCB-167, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-61/70/74/76, PCB-44/47/65, PCB-45/51, PCB-52, PCB-66, PCB-17, PCB-20/28, PCB-21/33, PCB-31, PCB-32

Qualification: Detections of contaminated compounds detected below the qualification threshold are qualified U, reason code MBL. Affected results are listed above.

Trip Blanks – A trip blank was not submitted with the samples in this SDG.

Qualification: None required.

Equipment Blanks – Equipment blank EB08-08212022 (results reported in SDG 20282) is associated with all samples in this SDG. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-16	16.7	16.7	83.5
PCB-17	11.0	11.0	55.0
PCB-18/30	14.9	14.9	74.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022

- SIB-SC-F23-1-2-08/17/2022: PCB-4, PCB-8, PCB-16, PCB-35
- SIB-SC-F23-2-3-08/17/2022: PCB-4, PCB-8, PCB-16, PCB-35
- SIB-SC-F23-3-4-08/17/2022: PCB-4, PCB-8, PCB-16, PCB-35
- SIB-SC-F23-4-5-08/17/2022: PCB-8, PCB-16, PCB-35
- SIB-SC-F23-5-6-08/17/2022: PCB-35
- SIB-SC-B23-1-2-08/20/2022: PCB-8, PCB-17, PCB-18/30, PCB-19, PCB-27, PCB-40/71, PCB-84, PCB-92, PCB-99, PCB-132, PCB-174, PCB-179, PCB-183/185
- SIB-SC-B23-2-3-08/20/2022: PCB-4, PCB-17, PCB-18/30, PCB-19, PCB-27, PCB-32, PCB-40/71, PCB-99, PCB-132, PCB-174, PCB-179
- SIB-SC-B23-3-4-08/20/2022: PCB-17, PCB-18/30, PCB-19, PCB-27, PCB-32, PCB-40/71, PCB-84, PCB-92, PCB-99, PCB-132, PCB-174, PCB-179
- SIB-SC-B23-4-5-08/20/2022: PCB-8, PCB-17, PCB-18/30, PCB-19, PCB-27, PCB-32, PCB-99, PCB-132, PCB-174, PCB-179
- SIB-SC-B23-5-6-08/20/2022: PCB-18/30, PCB-27, PCB-174
- FD-48-08/20/2022: PCB-17, PCB-18/30, PCB-27, PCB-32, PCB-99, PCB-132, PCB-174, PCB-179, PCB-183/185

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analysis was performed on sample SIB-SC-B23-2-3-08/20/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – Sample FD-48-08/20/2022 was submitted as a field duplicate of sample SIB-SC-B23-1-2-08/20/2022. All precision criteria were met.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E23-1-2-08/17/2022	2,6-DICHLOROBIPHENYL (10)	77.2	JK	77.2	J	EMPC
SIB-SC-E23-1-2-08/17/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	11.2	JK	11.2	J	EMPC
SIB-SC-E23-1-2-08/17/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	20.7	JK	20.7	J	EMPC
SIB-SC-E23-1-2-08/17/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	16.9	JK	16.9	J	EMPC
SIB-SC-E23-1-2-08/17/2022	2',3,5-TRICHLOROBIPHENYL (34)	24.8	JK	24.8	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2,4-DICHLOROBIPHENYL (7)	29.9	JK	29.9	J	EMPC
SIB-SC-E23-2-3-08/17/2022	PCB-12/13	71.7	CJK	71.7	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	12.4	JK	12.4	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	3.85	JK	3.85	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	14.1	JK	14.1	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	97.4	JK	97.4	J	EMPC
SIB-SC-E23-2-3-08/17/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	73.8	JK	73.8	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,6-DICHLOROBIPHENYL (10)	23.2	JK	23.2	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	16.3	JK	16.3	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	4.58	JK	4.58	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	5.94	JK	5.94	J	EMPC
SIB-SC-E23-3-4-08/17/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	149	JK	149	J	EMPC
SIB-SC-E23-4-5-08/17/2022	2,6-DICHLOROBIPHENYL (10)	19.8	JK	19.8	J	EMPC
SIB-SC-E23-4-5-08/17/2022	3,3'-DICHLOROBIPHENYL (11)	58.4	BJ	58.4	U	MBL
SIB-SC-E23-4-5-08/17/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	51.1	JK	51.1	J	EMPC
SIB-SC-E23-4-5-08/17/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	3.37	JK	3.37	J	EMPC
SIB-SC-E23-4-5-08/17/2022	2,3,5-TRICHLOROBIPHENYL (23)	5.53	JK	5.53	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,6-DICHLOROBIPHENYL (10)	43	JK	43	J	EMPC
SIB-SC-E23-5-6-08/17/2022	3,3'-DICHLOROBIPHENYL (11)	56.5	BJK	56.5	UJ	MBL,EMPC
SIB-SC-E23-5-6-08/17/2022	PCB-12/13	139	CJK	139	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	13.9	JK	13.9	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	278	K	278	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	24.2	JK	24.2	J	EMPC
SIB-SC-E23-5-6-08/17/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	420	K	420	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E23-5-6-08/17/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	967	K	967	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2-CHLOROBIPHENYL (1)	49.4	JK	49.4	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,2'-DICHLOROBIPHENYL (4)	105	JK	105	UJ	EBL,EMPC
SIB-SC-F23-1-2-08/17/2022	2,3'-DICHLOROBIPHENYL (6)	35.6	JK	35.6	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,4'-DICHLOROBIPHENYL (8)	99.2	J	99.2	U	EBL
SIB-SC-F23-1-2-08/17/2022	PCB-12/13	45.1	CJK	45.1	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	5.26	JK	5.26	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	17	JK	17	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	11.9	JK	11.9	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	27	JK	27	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	11	JK	11	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	41.1	JK	41.1	J	EMPC
SIB-SC-F23-1-2-08/17/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	26.8	JK	26.8	J	EMPC
SIB-SC-F23-1-2-08/17/2022	2,2',3-TRICHLOROBIPHENYL (16)	34.9	J	34.9	U	EBL
SIB-SC-F23-1-2-08/17/2022	3,3',4-TRICHLOROBIPHENYL (35)	14.3	JK	14.3	UJ	EBL,EMPC
SIB-SC-F23-2-3-08/17/2022	2-CHLOROBIPHENYL (1)	62	JK	62	J	EMPC
SIB-SC-F23-2-3-08/17/2022	4-CHLOROBIPHENYL (3)	102	JK	102	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,2'-DICHLOROBIPHENYL (4)	153	J	153	U	EBL
SIB-SC-F23-2-3-08/17/2022	2,4'-DICHLOROBIPHENYL (8)	140	J	140	U	EBL
SIB-SC-F23-2-3-08/17/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	31.1	JK	31.1	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	5.02	JK	5.02	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	13.2	JK	13.2	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	12.5	JK	12.5	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	33.8	JK	33.8	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	8.99	JK	8.99	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	7.16	JK	7.16	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	23.7	JK	23.7	J	EMPC
SIB-SC-F23-2-3-08/17/2022	2,2',3-TRICHLOROBIPHENYL (16)	37.7	J	37.7	U	EBL
SIB-SC-F23-2-3-08/17/2022	2',3,5-TRICHLOROBIPHENYL (34)	6.57	JK	6.57	J	EMPC
SIB-SC-F23-2-3-08/17/2022	3,3',4-TRICHLOROBIPHENYL (35)	8.67	J	8.67	U	EBL
SIB-SC-F23-3-4-08/17/2022	2,2'-DICHLOROBIPHENYL (4)	133	J	133	U	EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F23-3-4-08/17/2022	2,4'-DICHLOROBIPHENYL (8)	110	J	110	U	EBL
SIB-SC-F23-3-4-08/17/2022	PCB-12/13	79	CJK	79	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	25.6	JK	25.6	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	19.7	JK	19.7	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	22.8	JK	22.8	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	27.9	JK	27.9	J	EMPC
SIB-SC-F23-3-4-08/17/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	9.88	JK	9.88	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	26.3	JK	26.3	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	24	JK	24	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	51.5	JK	51.5	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2,2',3-TRICHLOROBIPHENYL (16)	29.7	JK	29.7	UJ	EBL,EMPC
SIB-SC-F23-3-4-08/17/2022	2,3,4'-TRICHLOROBIPHENYL (22)	49.4	JK	49.4	J	EMPC
SIB-SC-F23-3-4-08/17/2022	2',3,5-TRICHLOROBIPHENYL (34)	5.19	JK	5.19	J	EMPC
SIB-SC-F23-3-4-08/17/2022	3,3',4-TRICHLOROBIPHENYL (35)	8.84	JK	8.84	UJ	EBL,EMPC
SIB-SC-F23-4-5-08/17/2022	4-CHLOROBIPHENYL (3)	52.2	JK	52.2	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,4'-DICHLOROBIPHENYL (8)	187		187	U	EBL
SIB-SC-F23-4-5-08/17/2022	2,4-DICHLOROBIPHENYL (7)	12.1	JK	12.1	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,5-DICHLOROBIPHENYL (9)	16	JK	16	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,6-DICHLOROBIPHENYL (10)	11.3	JK	11.3	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	35.9	JK	35.9	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	130	JK	130	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	10.4	JK	10.4	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	26.2	JK	26.2	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	22.7	JK	22.7	J	EMPC
SIB-SC-F23-4-5-08/17/2022	2,2',3-TRICHLOROBIPHENYL (16)	40.9	J	40.9	U	EBL
SIB-SC-F23-4-5-08/17/2022	3,3',4-TRICHLOROBIPHENYL (35)	13.8	JK	13.8	UJ	EBL,EMPC
SIB-SC-F23-5-6-08/17/2022	3-CHLOROBIPHENYL (2)	110	JK	110	J	EMPC
SIB-SC-F23-5-6-08/17/2022	4-CHLOROBIPHENYL (3)	168	JK	168	J	EMPC
SIB-SC-F23-5-6-08/17/2022	2,6-DICHLOROBIPHENYL (10)	36.4	JK	36.4	J	EMPC
SIB-SC-F23-5-6-08/17/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	67.7	JK	67.7	J	EMPC
SIB-SC-F23-5-6-08/17/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	24.1	JK	24.1	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F23-5-6-08/17/2022	3,3',4'-TRICHLOROBIPHENYL (35)	23.1	JK	23.1	UJ	EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	2-CHLOROBIPHENYL (1)	3.62	JK	3.62	J	EMPC
SIB-SC-B23-1-2-08/20/2022	3-CHLOROBIPHENYL (2)	5.85	JK	5.85	J	EMPC
SIB-SC-B23-1-2-08/20/2022	4-CHLOROBIPHENYL (3)	6.99	JK	6.99	J	EMPC
SIB-SC-B23-1-2-08/20/2022	2,4'-DICHLOROBIPHENYL (8)	11.3	JK	11.3	UJ	EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	3,3'-DICHLOROBIPHENYL (11)	36.7	BJK	36.7	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	4.41	JK	4.41	J	EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	4.84	BJ	4.84	U	MBL,EBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	3.65	JK	3.65	J	EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.98	BJ	1.98	U	MBL,EBL
SIB-SC-B23-1-2-08/20/2022	PCB-180/193	9.17	BCJ	9.17	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	2.51	JK	2.51	J	EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-183/185	4.51	CJ	4.51	U	EBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	7.09	BJ	7.09	U	MBL
SIB-SC-B23-1-2-08/20/2022	PCB-128/166	3.72	BCJ	3.72	U	MBL
SIB-SC-B23-1-2-08/20/2022	PCB-129/138/163	14.1	BCJ	14.1	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	4.38	J	4.38	U	EBL
SIB-SC-B23-1-2-08/20/2022	PCB-135/151	5.42	BCJK	5.42	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-147/149	9.81	BCJK	9.81	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-153/168	11	BCJK	11	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-156/157	4.36	BCJK	4.36	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	3.37	JK	3.37	UJ	EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-86/87/97/109/119/125	8.06	BCJK	8.06	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-90/101/113	9.17	BCJ	9.17	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	3.29	J	3.29	U	EBL
SIB-SC-B23-1-2-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	8.44	BJ	8.44	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	4.23	BJ	4.23	U	MBL,EBL
SIB-SC-B23-1-2-08/20/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	3.75	JK	3.75	J	EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-110/115	9.6	BCJ	9.6	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	7.35	BJK	7.35	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-61/70/74/76	10.1	BCJK	10.1	UJ	MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-1-2-08/20/2022	PCB-40/71	3.32	CJK	3.32	UJ	EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-44/47/65	9.4	BCJ	9.4	U	MBL
SIB-SC-B23-1-2-08/20/2022	PCB-45/51	3.85	BCJK	3.85	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-49/69	3.98	CJK	3.98	J	EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	8.84	BJ	8.84	U	MBL
SIB-SC-B23-1-2-08/20/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	1.7	JK	1.7	J	EMPC
SIB-SC-B23-1-2-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	4.38	BJK	4.38	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.62	BJK	3.62	UJ	MBL,EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-18/30	3.14	CJ	3.14	U	EBL
SIB-SC-B23-1-2-08/20/2022	2,2',6-TRICHLOROBIPHENYL (19)	4.28	BJK	4.28	UJ	MBL,EBL,EMPC
SIB-SC-B23-1-2-08/20/2022	PCB-20/28	5.3	BCJ	5.3	U	MBL
SIB-SC-B23-1-2-08/20/2022	PCB-21/33	3.12	BCJK	3.12	UJ	MBL,EMPC
SIB-SC-B23-1-2-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)	2.18	J	2.18	U	EBL
SIB-SC-B23-1-2-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	3.17	BJ	3.17	U	MBL
SIB-SC-B23-2-3-08/20/2022	4-CHLOROBIPHENYL (3)	4.38	JK	4.38	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,2'-DICHLOROBIPHENYL (4)	10.1	JK	10.1	UJ	EBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	3.47	JK	3.47	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	3.67	BJK	3.67	UJ	MBL,EBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.72	BJ	1.72	U	MBL,EBL
SIB-SC-B23-2-3-08/20/2022	PCB-180/193	5.72	BCJ	5.72	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	4.29	BJ	4.29	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-129/138/163	9.55	BCJ	9.55	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	4.19	J	4.19	U	EBL
SIB-SC-B23-2-3-08/20/2022	PCB-135/151	4.62	BCJ	4.62	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-147/149	7.96	BCJ	7.96	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-153/168	8.23	BCJ	8.23	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-156/157	4.76	BCJ	4.76	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	3.64	BJK	3.64	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	PCB-198/199	3.83	BCJ	3.83	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	2.16	JK	2.16	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	2.3	BJK	2.3	UJ	MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-2-3-08/20/2022	PCB-86/87/97/109/119/125	9.22	BCJK	9.22	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	PCB-90/101/113	10.8	BCJ	10.8	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-88/91	4.13	CJK	4.13	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	9.79	BJ	9.79	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	4.35	BJ	4.35	U	MBL,EBL
SIB-SC-B23-2-3-08/20/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	1.61	JK	1.61	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	4.13	JK	4.13	J	EMPC
SIB-SC-B23-2-3-08/20/2022	PCB-110/115	10.1	BCJ	10.1	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	7.85	BJ	7.85	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-61/70/74/76	9.6	BCJ	9.6	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-40/71	3.45	CJK	3.45	UJ	EBL,EMPC
SIB-SC-B23-2-3-08/20/2022	PCB-44/47/65	12	BCJ	12	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-45/51	4.81	BCJ	4.81	U	MBL
SIB-SC-B23-2-3-08/20/2022	PCB-50/53	3.75	CJK	3.75	J	EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	10.7	BJK	10.7	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	5.44	BJ	5.44	U	MBL
SIB-SC-B23-2-3-08/20/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.91	BJ	3.91	U	MBL,EBL
SIB-SC-B23-2-3-08/20/2022	PCB-18/30	4.08	CJK	4.08	UJ	EBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,2',6-TRICHLOROBIPHENYL (19)	5.64	BJ	5.64	U	MBL,EBL
SIB-SC-B23-2-3-08/20/2022	PCB-20/28	7.8	BCJK	7.8	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	PCB-21/33	3.28	BCJK	3.28	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)	2.98	JK	2.98	UJ	EBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	4.6	BJK	4.6	UJ	MBL,EMPC
SIB-SC-B23-2-3-08/20/2022	2,4',6-TRICHLOROBIPHENYL (32)	3.31	BJ	3.31	U	MBL,EBL
SIB-SC-B23-3-4-08/20/2022	2-CHLOROBIPHENYL (1)	4.63	JK	4.63	J	EMPC
SIB-SC-B23-3-4-08/20/2022	3-CHLOROBIPHENYL (2)	6.39	JK	6.39	J	EMPC
SIB-SC-B23-3-4-08/20/2022	3,3'-DICHLOROBIPHENYL (11)	33.7	BJK	33.7	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	3.07	JK	3.07	J	EMPC
SIB-SC-B23-3-4-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	3.48	BJK	3.48	UJ	MBL,EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.89	BJ	1.89	U	MBL,EBL
SIB-SC-B23-3-4-08/20/2022	PCB-180/193	5.65	BCJ	5.65	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-3-4-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	4.04	BJ	4.04	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-129/138/163	9.64	BCJ	9.64	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	4.12	JK	4.12	UJ	EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-135/151	4.12	BCJ	4.12	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-147/149	7.29	BCJ	7.29	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-153/168	8.08	BCJ	8.08	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-156/157	3.43	BCJ	3.43	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	3.38	JK	3.38	UJ	EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-86/87/97/109/119/125	8.54	BCJK	8.54	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-90/101/113	9.36	BCJ	9.36	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	3.33	J	3.33	U	EBL
SIB-SC-B23-3-4-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	9.36	BJ	9.36	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	3.89	BJ	3.89	U	MBL,EBL
SIB-SC-B23-3-4-08/20/2022	PCB-110/115	11.6	BCJ	11.6	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	7.83	BJK	7.83	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-61/70/74/76	11	BCJ	11	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-40/71	2.86	CJ	2.86	U	EBL
SIB-SC-B23-3-4-08/20/2022	PCB-44/47/65	8.75	BCJK	8.75	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-45/51	4.3	BCJ	4.3	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-49/69	5.45	CJK	5.45	J	EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-50/53	3.27	CJK	3.27	J	EMPC
SIB-SC-B23-3-4-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	9.9	BJ	9.9	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	1.74	JK	1.74	J	EMPC
SIB-SC-B23-3-4-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	4.55	BJ	4.55	U	MBL
SIB-SC-B23-3-4-08/20/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.81	BJK	3.81	UJ	MBL,EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-18/30	3.94	CJ	3.94	U	EBL
SIB-SC-B23-3-4-08/20/2022	2,2',6-TRICHLOROBIPHENYL (19)	4.37	BJK	4.37	UJ	MBL,EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	PCB-20/28	5.93	BCJ	5.93	U	MBL
SIB-SC-B23-3-4-08/20/2022	PCB-21/33	2.58	BCJK	2.58	UJ	MBL,EMPC
SIB-SC-B23-3-4-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)	2.46	JK	2.46	UJ	EBL,EMPC
SIB-SC-B23-3-4-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	4.35	BJ	4.35	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-3-4-08/20/2022	2,4',6-TRICHLOROBIPHENYL (32)	2.76	BJK	2.76	UJ	MBL,EBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2-CHLOROBIPHENYL (1)	3.51	JK	3.51	J	EMPC
SIB-SC-B23-4-5-08/20/2022	3-CHLOROBIPHENYL (2)	3.98	JK	3.98	J	EMPC
SIB-SC-B23-4-5-08/20/2022	4-CHLOROBIPHENYL (3)	3.96	JK	3.96	J	EMPC
SIB-SC-B23-4-5-08/20/2022	2,4'-DICHLOROBIPHENYL (8)	6.97	JK	6.97	UJ	EBL,EMPC
SIB-SC-B23-4-5-08/20/2022	3,3'-DICHLOROBIPHENYL (11)	24.9	BJ	24.9	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	3.3	JK	3.3	J	EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	3.15	BJ	3.15	U	MBL,EBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.42	BJ	1.42	U	MBL,EBL
SIB-SC-B23-4-5-08/20/2022	PCB-180/193	4.08	BCJ	4.08	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	2.94	BJ	2.94	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	2.75	BJ	2.75	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-128/166	2.7	BCJK	2.7	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-129/138/163	8.97	BCJ	8.97	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	2.94	J	2.94	U	EBL
SIB-SC-B23-4-5-08/20/2022	PCB-135/151	3.87	BCJ	3.87	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-147/149	5.48	BCJ	5.48	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-153/168	6.81	BCJ	6.81	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	1.23	JK	1.23	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-156/157	4.67	BCJ	4.67	U	MBL
SIB-SC-B23-4-5-08/20/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	2.42	BJ	2.42	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	4.32	BJK	4.32	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-197/200	1.52	CJK	1.52	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-198/199	2.61	BCJK	2.61	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	2.47	BJ	2.47	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-85/116/117	3.04	CJK	3.04	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-86/87/97/109/119/125	7.73	BCJ	7.73	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-90/101/113	8.3	BCJ	8.3	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	7.99	BJK	7.99	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	1.52	JK	1.52	J	EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	3.53	BJK	3.53	UJ	MBL,EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-4-5-08/20/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	3.34	JK	3.34	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-108/124	2.18	CJK	2.18	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-110/115	8.61	BCJ	8.61	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	6.19	BJ	6.19	U	MBL
SIB-SC-B23-4-5-08/20/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	2.66	JK	2.66	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-61/70/74/76	10.6	BCJ	10.6	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-44/47/65	7.52	BCJK	7.52	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-45/51	3.01	BCJ	3.01	U	MBL
SIB-SC-B23-4-5-08/20/2022	PCB-50/53	1.94	CJK	1.94	J	EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	7.97	BJ	7.97	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	1.47	JK	1.47	J	EMPC
SIB-SC-B23-4-5-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	4.08	BJK	4.08	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	3.06	BJK	3.06	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.56	BJK	3.56	UJ	MBL,EBL,EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-18/30	3.34	CJK	3.34	UJ	EBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,2',6-TRICHLOROBIPHENYL (19)	3.77	BJK	3.77	UJ	MBL,EBL,EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-20/28	5.57	BCJ	5.57	U	MBL
SIB-SC-B23-4-5-08/20/2022	2,3,4'-TRICHLOROBIPHENYL (22)	2.02	JK	2.02	J	EMPC
SIB-SC-B23-4-5-08/20/2022	PCB-21/33	2.87	BCJK	2.87	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)	1.68	J	1.68	U	EBL
SIB-SC-B23-4-5-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	3.82	BJK	3.82	UJ	MBL,EMPC
SIB-SC-B23-4-5-08/20/2022	2,4',6-TRICHLOROBIPHENYL (32)	2.54	BJ	2.54	U	MBL,EBL
SIB-SC-B23-4-5-08/20/2022	3,4,4'-TRICHLOROBIPHENYL (37)	2.35	JK	2.35	J	EMPC
SIB-SC-B23-5-6-08/20/2022	2-CHLOROBIPHENYL (1)	2.18	JK	2.18	J	EMPC
SIB-SC-B23-5-6-08/20/2022	3-CHLOROBIPHENYL (2)	3.48	JK	3.48	J	EMPC
SIB-SC-B23-5-6-08/20/2022	4-CHLOROBIPHENYL (3)	3.3	JK	3.3	J	EMPC
SIB-SC-B23-5-6-08/20/2022	3,3'-DICHLOROBIPHENYL (11)	35.9	BJK	35.9	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	2.13	BJ	2.13	U	MBL,EBL
SIB-SC-B23-5-6-08/20/2022	PCB-180/193	3.48	BCJ	3.48	U	MBL
SIB-SC-B23-5-6-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	2.44	BJK	2.44	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	2.08	BJ	2.08	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B23-5-6-08/20/2022	PCB-129/138/163	5.62	BCJ	5.62	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-135/151	2.16	BCJ	2.16	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-147/149	3.74	BCJ	3.74	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-153/168	4.34	BCJ	4.34	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-156/157	3.56	BCJ	3.56	U	MBL
SIB-SC-B23-5-6-08/20/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	1.92	BJK	1.92	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	3.77	BJ	3.77	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-198/199	2.05	BCJK	2.05	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	2.63	JK	2.63	J	EMPC
SIB-SC-B23-5-6-08/20/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	2.16	BJ	2.16	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-86/87/97/109/119/125	5.36	BCJK	5.36	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-90/101/113	4.94	BCJ	4.94	U	MBL
SIB-SC-B23-5-6-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	5.51	BJK	5.51	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	2.94	JK	2.94	J	EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-110/115	5.04	BCJ	5.04	U	MBL
SIB-SC-B23-5-6-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	4.86	BJ	4.86	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-61/70/74/76	7.28	BCJ	7.28	U	MBL
SIB-SC-B23-5-6-08/20/2022	PCB-44/47/65	6.01	BCJK	6.01	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-45/51	2.05	BCJK	2.05	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-49/69	2.55	CJK	2.55	J	EMPC
SIB-SC-B23-5-6-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	6.37	BJ	6.37	U	MBL
SIB-SC-B23-5-6-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	3.28	BJK	3.28	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-18/30	3.04	CJK	3.04	UJ	EBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-20/28	4.24	BCJK	4.24	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	PCB-21/33	3.2	BCJK	3.2	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)		U		U	EBL
SIB-SC-B23-5-6-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	3.35	BJK	3.35	UJ	MBL,EMPC
SIB-SC-B23-5-6-08/20/2022	3,4,4'-TRICHLOROBIPHENYL (37)	2.83	JK	2.83	J	EMPC
FD-48-08/20/2022	2-CHLOROBIPHENYL (1)	4.9	JK	4.9	J	EMPC
FD-48-08/20/2022	4-CHLOROBIPHENYL (3)	4.16	JK	4.16	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-48-08/20/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	4.46	JK	4.46	J	EMPC
FD-48-08/20/2022	3,3'-DICHLOROBIPHENYL (11)	32.2	BJ	32.2	U	MBL
FD-48-08/20/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	3.14	BJ	3.14	U	MBL,EBL
FD-48-08/20/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.5	BJ	1.5	U	MBL,EBL
FD-48-08/20/2022	PCB-180/193	6.25	BCJK	6.25	UJ	MBL,EMPC
FD-48-08/20/2022	PCB-183/185	3.56	CJK	3.56	UJ	EBL,EMPC
FD-48-08/20/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	4.31	BJK	4.31	UJ	MBL,EMPC
FD-48-08/20/2022	PCB-128/166	2.36	BCJ	2.36	U	MBL
FD-48-08/20/2022	PCB-129/138/163	9.36	BCJK	9.36	UJ	MBL,EMPC
FD-48-08/20/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	3.11	J	3.11	U	EBL
FD-48-08/20/2022	PCB-135/151	4.13	BCJ	4.13	U	MBL
FD-48-08/20/2022	PCB-147/149	8.49	BCJ	8.49	U	MBL
FD-48-08/20/2022	PCB-153/168	8.22	BCJ	8.22	U	MBL
FD-48-08/20/2022	PCB-156/157	2.9	BCJ	2.9	U	MBL
FD-48-08/20/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	4.19	BJ	4.19	U	MBL
FD-48-08/20/2022	PCB-198/199	2.9	BCJK	2.9	UJ	MBL,EMPC
FD-48-08/20/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	1.7	BJ	1.7	U	MBL
FD-48-08/20/2022	PCB-86/87/97/109/119/125	8.52	BCJK	8.52	UJ	MBL,EMPC
FD-48-08/20/2022	PCB-90/101/113	9.24	BCJ	9.24	U	MBL
FD-48-08/20/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	8.55	BJ	8.55	U	MBL
FD-48-08/20/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	3.47	BJK	3.47	UJ	MBL,EBL,EMPC
FD-48-08/20/2022	PCB-110/115	7.77	BCJ	7.77	U	MBL
FD-48-08/20/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	6.64	BJK	6.64	UJ	MBL,EMPC
FD-48-08/20/2022	PCB-61/70/74/76	9.63	BCJ	9.63	U	MBL
FD-48-08/20/2022	PCB-44/47/65	8.64	BCJ	8.64	U	MBL
FD-48-08/20/2022	PCB-45/51	4.1	BCJK	4.1	UJ	MBL,EMPC
FD-48-08/20/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	9.66	BJK	9.66	UJ	MBL,EMPC
FD-48-08/20/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	1.67	JK	1.67	J	EMPC
FD-48-08/20/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	3.62	BJK	3.62	UJ	MBL,EMPC
FD-48-08/20/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.83	BJK	3.83	UJ	MBL,EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-48-08/20/2022	PCB-18/30	4.01	CJ	4.01	U	EBL
FD-48-08/20/2022	PCB-20/28	5.95	BCJK	5.95	UJ	MBL,EMPC
FD-48-08/20/2022	PCB-21/33	3.32	BCJ	3.32	U	MBL
FD-48-08/20/2022	PCB-26/29	2.6	CJK	2.6	J	EMPC
FD-48-08/20/2022	2,3',6-TRICHLOROBIPHENYL (27)	2.54	JK	2.54	UJ	EBL,EMPC
FD-48-08/20/2022	2,4',5-TRICHLOROBIPHENYL (31)	3.98	BJ	3.98	U	MBL
FD-48-08/20/2022	2,4',6-TRICHLOROBIPHENYL (32)	2.87	BJ	2.87	U	MBL,EBL



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20474

May 25, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
PCB Congeners	E1668	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	PCB Congeners
20474	SIB-SC-B33-1-2-08212022	20474001	SE	✓
20474	SIB-SC-B33-2-3-08212022	20474002	SE	✓
20474	SIB-SC-B33-3-4-08212022	20474003	SE	✓
20474	SIB-SC-B33-4-5-08212022	20474004	SE	✓
20474	SIB-SC-B33-5-6-08212022	20474005	SE	✓
20474	SIB-SC-E37-0-1-08252022	20474006	SE	✓
20474	SIB-SC-E37-1-2-08252022	20474007	SE	✓
20474	SIB-SC-E37-2-3-08/25/2022	20474008	SE	✓
20474	SIB-SC-E37-3-4-08252022	20474009	SE	✓
20474	SIB-SC-E37-4-5-08252022	20474012	SE	✓
20474	SIB-SC-E37-5-6-08252022	20474013	SE	✓
20474	FD-52-08/25/2022	20474014	SE	✓
20474	SIB-SC-C37-0-1-09032022	20474015	SE	✓
20474	SIB-SC-C37-1-2-09032022	20474016	SE	✓
20474	SIB-SC-C37-2-3-09032022	20474017	SE	✓
20474	SIB-SC-C37-3-4-09032022	20474018	SE	✓
20474	SIB-SC-F37-1-2-09/03/2022	20474019	SE	✓
20474	SIB-SC-F37-2-3-09032022	20474020	SE	✓
20474	SIB-SC-F37-3-4-09032022	20474021	SE	✓
20474	SIB-SC-F37-4-5-09032022	20474024	SE	✓
20474	SIB-SC-F37-5-5.9-09032022	20474025	SE	✓
20474	FD-54-09/03/2022	20474026	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

PCB Congeners by EPA 1668C

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the Sample Index for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
20474	22 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For 18 samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody (COC).

TECHNICAL DATA VALIDATION

This report documents the review of analytical QC requirements as listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	1	Reporting Limits
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	✓	Compound Quantitation

✓ *Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Sample Receipt, Preservation, and Holding Times

For Sample FD-52-08/25/2022, the collection date on the chain-of-custody (COC) of 8/25/2022 was listed as 8/24/2022 on the container label. The COC information was used for login purposes.

For Samples SIB-SC-B33-1-2-08/21/2022 and SIB-SC-B33-4-5-08/21/2022, the containers arrived with cracked lids. Container integrity was maintained. No action was taken.

The following samples had a collection date of 9/2/2022 on the COC but was listed as 9/3/2022 on the container labels. The client confirmed that the 9/3/2022 date was correct.

- SIB-SC-F37-2-3-09/03/2022
- SIB-SC-F37-3-4-09/03/2022
- SIB-SC-F37-4-5-09/03/2022
- SIB-SC-F37-5-5.9-09/03/2022

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. Various target analytes were detected in the method blanks, however only the following analytes required qualification in one or more samples:

Extraction Batch 51566: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
FD-52-08/25/2022	PCB-105	U-MBL	PCB-21/33	U-MBL
	PCB-11	U-MBL	PCB-32	U-MBL
	PCB-156/157	U-MBL	PCB-45/51	U-MBL
	PCB-167	U-MBL	PCB-50/53	U-MBL
	PCB-17	U-MBL	PCB-60	U-MBL
	PCB-18/30	U-MBL	PCB-77	U-MBL

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-B33-1-2-08/21/2022	PCB-105	U-MBL	PCB-20/28	U-MBL
	PCB-11	U-MBL	PCB-203	U-MBL
	PCB-110/115	U-MBL	PCB-21/33	U-MBL
	PCB-118	U-MBL	PCB-31	U-MBL
	PCB-129/138/163	U-MBL	PCB-32	U-MBL
	PCB-135/151	U-MBL	PCB-44/47/65	U-MBL
	PCB-147/149	U-MBL	PCB-45/51	U-MBL
	PCB-153/168	U-MBL	PCB-49/69	U-MBL
	PCB-156/157	U-MBL	PCB-50/53	U-MBL
	PCB-167	U-MBL	PCB-52	U-MBL
	PCB-169	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-17	U-MBL	PCB-64	U-MBL
	PCB-170	U-MBL	PCB-66	U-MBL
	PCB-18/30	U-MBL	PCB-77	U-MBL
	PCB-180/193	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-187	U-MBL	PCB-90/101/113	U-MBL
	PCB-189	U-MBL	PCB-95	U-MBL
	PCB-194	U-MBL	PCB-99	U-MBL
	SIB-SC-B33-2-3-08/21/2022	PCB-105	U-MBL	PCB-194
PCB-11		U-MBL	PCB-20/28	U-MBL
PCB-110/115		U-MBL	PCB-21/33	U-MBL
PCB-118		U-MBL	PCB-31	U-MBL
PCB-129/138/163		U-MBL	PCB-32	U-MBL
PCB-135/151		U-MBL	PCB-44/47/65	U-MBL
PCB-147/149		U-MBL	PCB-45/51	U-MBL
PCB-153/168		U-MBL	PCB-49/69	U-MBL
PCB-156/157		U-MBL	PCB-52	U-MBL
PCB-167		U-MBL	PCB-61/70/74/76	U-MBL
PCB-169		U-MBL	PCB-66	U-MBL
PCB-17		U-MBL	PCB-86/87/97/109/119/125	U-MBL
PCB-170		U-MBL	PCB-90/101/113	U-MBL
PCB-18/30		U-MBL	PCB-95	U-MBL
PCB-180/193	U-MBL	PCB-99	U-MBL	
PCB-187	U-MBL		U-MBL	

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-B33-3-4-08/21/2022	PCB-105	U-MBL	PCB-21/33	U-MBL
	PCB-11	U-MBL	PCB-31	U-MBL
	PCB-110/115	U-MBL	PCB-32	U-MBL
	PCB-118	U-MBL	PCB-44/47/65	U-MBL
	PCB-129/138/163	U-MBL	PCB-45/51	U-MBL
	PCB-135/151	U-MBL	PCB-49/69	U-MBL
	PCB-147/149	U-MBL	PCB-50/53	U-MBL
	PCB-153/168	U-MBL	PCB-52	U-MBL
	PCB-156/157	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-17	U-MBL	PCB-66	U-MBL
	PCB-18/30	U-MBL	PCB-77	U-MBL
	PCB-180/193	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-187	U-MBL	PCB-90/101/113	U-MBL
	PCB-194	U-MBL	PCB-95	U-MBL
	PCB-20/28	U-MBL	PCB-99	U-MBL
SIB-SC-B33-4-5-08/21/2022	PCB-105	U-MBL	PCB-20/28	U-MBL
	PCB-11	U-MBL	PCB-203	U-MBL
	PCB-110/115	U-MBL	PCB-21/33	U-MBL
	PCB-118	U-MBL	PCB-31	U-MBL
	PCB-129/138/163	U-MBL	PCB-32	U-MBL
	PCB-135/151	U-MBL	PCB-44/47/65	U-MBL
	PCB-147/149	U-MBL	PCB-45/51	U-MBL
	PCB-153/168	U-MBL	PCB-49/69	U-MBL
	PCB-156/157	U-MBL	PCB-50/53	U-MBL
	PCB-167	U-MBL	PCB-52	U-MBL
	PCB-17	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-170	U-MBL	PCB-66	U-MBL
	PCB-18/30	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-180/193	U-MBL	PCB-90/101/113	U-MBL
	PCB-187	U-MBL	PCB-95	U-MBL
PCB-194	U-MBL	PCB-99	U-MBL	

CLIENT ID	ANALYTE	QUALIFIER	ANALYTE	QUALIFIER
SIB-SC-B33-5-6-08/21/2022	PCB-11	U-MBL	PCB-31	U-MBL
	PCB-110/115	U-MBL	PCB-32	U-MBL
	PCB-118	U-MBL	PCB-44/47/65	U-MBL
	PCB-129/138/163	U-MBL	PCB-45/51	U-MBL
	PCB-135/151	U-MBL	PCB-49/69	U-MBL
	PCB-147/149	U-MBL	PCB-50/53	U-MBL
	PCB-153/168	U-MBL	PCB-52	U-MBL
	PCB-156/157	U-MBL	PCB-61/70/74/76	U-MBL
	PCB-167	U-MBL	PCB-64	U-MBL
	PCB-17	U-MBL	PCB-66	U-MBL
	PCB-18/30	U-MBL	PCB-86/87/97/109/119/125	U-MBL
	PCB-180/193	U-MBL	PCB-90/101/113	U-MBL
	PCB-187	U-MBL	PCB-95	U-MBL
	PCB-20/28	U-MBL	PCB-99	U-MBL
SIB-SC-C37-2-3-09/03/2022	PCB-11	U-MBL	PCB-60	U-MBL
	PCB-189	U-MBL	PCB-77	U-MBL
SIB-SC-C37-3-4-09/03/2022	PCB-11	U-MBL	PCB-32	U-MBL
	PCB-156/157	U-MBL	PCB-60	U-MBL
	PCB-167	U-MBL	PCB-77	U-MBL
SIB-SC-E37-0-1-08/25/2022	PCB-11	U-MBL		U-MBL
SIB-SC-E37-1-2-08/25/2022	PCB-11	U-MBL	PCB-77	U-MBL
SIB-SC-E37-2-3-08/25/2022	PCB-11	U-MBL	PCB-189	U-MBL
	PCB-156/157	U-MBL	PCB-32	U-MBL
	PCB-167	U-MBL	PCB-60	U-MBL
	PCB-17	U-MBL	PCB-77	U-MBL
SIB-SC-E37-4-5-08/25/2022	PCB-11	U-MBL		U-MBL
SIB-SC-F37-1-2-09/03/2022	PCB-11	U-MBL	PCB-189	U-MBL

Extraction Batch 51615: The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
FD-54-09/03/2022	PCB-19	U-MBL
	PCB-205	U-MBL
	PCB-189	U-MBL
	PCB-32	U-MBL
	PCB-77	U-MBL
	PCB-11	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB08-08212022, EB09-08242022, and EB10-09052022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDGs 20282 and 20341. Several results were detected in EB08-08212022 and EB09-08242022, however; no data were qualified based on field blank contamination. EB10-09052022 was free of contamination.

Matrix Spike/Matrix Spike Duplicates

Sample SIB-SC-F37-3-4-09/03/2022 was used for the matrix spike/matrix spike duplicate (MS/MSD) analyses. The MSD recovery values for PCB-202, PCB-206, and PCB-208 were greater than the upper control limit but were in control in the associated MS sample; associated parent sample results were estimated (J-MSH). The relative percent difference (RPD) values for PCB-202, PCB-206, and PCB-208 were greater than the control limit; associated results in the parent were estimated (J-MSP).

Certified Reference Material

No certified reference materials were analyzed.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

Two sets of field duplicates were submitted:

- SIB-SC-E37-2-3-08/25/2022 & FD-52-08/25/2022. Field precision was acceptable.
- SIB-SC-F37-1-2-09/03/2022 & FD-54-09/03/2022. Field precision was acceptable.

Reporting Limits

The laboratory practical quantitation limits (PQL) were greater than those provided in the QAPP. Although some individual congeners were reported as not detected at elevated detection limits, the overall total PCB concentrations for most samples were greater than the site CUL.

Compound Identification

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, LCS/LCSD, and MS/MSD recoveries. With the exceptions noted above, precision was also acceptable as reported by the LCS/LCSD, MS/MSD, and field duplicate RPD values.

Data were qualified as not detected due to method blank contamination. Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were also estimated due to MS/MSD accuracy and precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r ² below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Chlorobiphenyl; 4-	2.61	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,2'-	10.7	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,4'-	8.31	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 3,3'-	39.3	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2.98	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3.19	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2.32	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1.71	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6.98	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3.1	pg/g	CJ			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4.34	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	1.94	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	10.2	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3.42	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4.46	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2.06	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	8.05	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	10	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	3.24	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-	2.29	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	4.26	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2.4	pg/g	CJK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2.11	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	PCB-167	2.06	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	PCB-82		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2.75	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	7.09	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	9.9	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7.99	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3.24	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3.01	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	8.46	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	6.26	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3',4,5',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Pentachlorobiphenyl; 3,3',4,5',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Polychlorinated Biphenyl (PCB)	278	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	TETRACHLORO 1,1'-BIPHENYL	8.83	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	9.18	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3.5	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3.53	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',4,6-	2.4	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	8.89	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	2.61	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4.66	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	2.06	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2.69	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	2.61	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,2',4-	3.94	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,2',5-	3.42	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,2',6-	5.33	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3,3'-	5.82	pg/g	BCJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3,4'-	2.69	pg/g	J			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3,4-	3.65	pg/g	BCJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3',5-	2.26	pg/g	CJK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,3',6-	2.37	pg/g	JK	J	VJ	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,4',5-	3.71	pg/g	BJK	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 2,4',6-	2.98	pg/g	BJ	U	MBL	
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	20474001	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	2-CHLOROBIPHENYL	3.92	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	DECACHLOROBIPHENYL	3.21	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,3'-	8.29	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,4'-	7.44	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 3,3'-	40.9	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3.04	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2.71	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2.14	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1.66	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5.89	pg/g	BCJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2.42	pg/g	CJK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3.61	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1.75	pg/g	CJK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	9.53	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3.13	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3.36	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1.33	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	6.85	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	8.37	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2.71	pg/g	BCJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-	1.55	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.58	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2.85	pg/g	CJ			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	PCB-167	1.58	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	PCB-82		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2.26	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4.65	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	7.02	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2.51	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	7.36	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2.88	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	3.07	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	8.43	pg/g	BCJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	5.07	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Polychlorinated Biphenyl (PCB)	226	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	TETRACHLORO 1,1'-BIPHENYL	6.94	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	6.82	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2.26	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2.23	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',4,6-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7.5	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,3',6'-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2.93	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,4',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3,4',6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,2',4-	2.79	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,2',5-	2.4	pg/g	BCJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,2',6-	3.02	pg/g	JK	J	VJ	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3,3'-	4.34	pg/g	BCJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3,4'-	1.58	pg/g	J			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3,4-	2.26	pg/g	BCJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,4',5-	3.5	pg/g	BJ	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 2,4',6-	1.97	pg/g	BJK	U	MBL	
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-2-3-08/21/2022	20474002	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	2-CHLOROBIPHENYL	2.41	pg/g	JK	J	VJ	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 3,3'-	30	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1.61	pg/g	JK	J	VJ	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3.09	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2.26	pg/g	BJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	4.93	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2.26	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	3.59	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	4.98	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5'-	2.43	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3.09	pg/g	BJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1.44	pg/g	CJ			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	PCB-167		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	PCB-82		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	5.32	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	5.35	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5.21	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1.92	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1.61	pg/g	BJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	5.12	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	3	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Polychlorinated Biphenyl (PCB)	148	pg/g	J			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	TETRACHLORO 1,1'-BIPHENYL	6.48	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	7.16	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2.75	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2.77	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1.84	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7.08	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	1.19	pg/g	J			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2.38	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	1.84	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,2',4-	3.09	pg/g	BJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,2',5-	3.2	pg/g	BCJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,2',6-	3.54	pg/g	JK	J	VJ	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3,3'-	3.79	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3,4'-	2.18	pg/g	J			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3,4-	2.07	pg/g	BCJK	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,3',6-	1.67	pg/g	JK	J	VJ	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,4',5-	2.75	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 2,4',6-	2.24	pg/g	BJ	U	MBL	
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B33-3-4-08/21/2022	20474003	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	2-CHLOROBIPHENYL	3.17	pg/g	JK	J	VJ	✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Chlorobiphenyl; 4-	2.48	pg/g	J			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,2'-	7.57	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 3,3'-	35.4	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1.97	pg/g	BJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2.35	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	0.895	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1.25	pg/g	J			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4.02	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	2.15	pg/g	CJ			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6'-	2.94	pg/g	BJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	6.5	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2.97	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1.23	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	4.83	pg/g	BCJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	5.83	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2.1	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2.33	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	1.07	pg/g	CJ			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2.61	pg/g	CJ			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1.43	pg/g	BJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	PCB-167	1.46	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	PCB-82		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6.22	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	6.57	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5.58	pg/g	BJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	0.972	pg/g	J			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	2.97	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2.35	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	5.58	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4.42	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Polychlorinated Biphenyl (PCB)	190	pg/g	J			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	TETRACHLORO 1,1'-BIPHENYL	6.7	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,3'-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8.08	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2.81	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2.69	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1.64	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6.14	pg/g	BJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	1.28	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1.89	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2.94	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3,4',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,2',4-	2.74	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,2',5-	3.17	pg/g	BCJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,2',6-	4.27	pg/g	JK	J	VJ	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3,3'-	5.58	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3,4'-	1.92	pg/g	J			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3,4-	2.28	pg/g	BCJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,3',6-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,4',5-	2.71	pg/g	BJK	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 2,4',6-	2.12	pg/g	BJ	U	MBL	
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B33-4-5-08/21/2022	20474004	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	2-CHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	DECACHLOROBIPHENYL		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,2'-	7.62	pg/g	JK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,4'-	7.15	pg/g	JK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 3,3'-	34.4	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1.17	pg/g	J			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	3.26	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	2.06	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	5.6	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2.47	pg/g	JK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	2.56	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1.04	pg/g	JK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	4.36	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	4.96	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	2.25	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2.15	pg/g	CJK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	PCB-167	1.01	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	PCB-82		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,3',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,3',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6.61	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	7.81	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4,6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	6.2	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3.04	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',4,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	1.11	pg/g	JK	J	VJ	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	6.89	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4.74	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Polychlorinated Biphenyl (PCB)	186	pg/g	J			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	TETRACHLORO 1,1'-BIPHENYL	7.91	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	2.47	pg/g	CJ			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8.6	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',3,6-	3.35	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3.95	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',4,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',4,6-	2.06	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	7.72	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	0.917	pg/g	J			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,4,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3.32	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3,4',6-	2.02	pg/g	BJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 3,3',4,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,2',3-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,2',4-	4.17	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,2',5-	2.88	pg/g	BCJK	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,2',6-	4.21	pg/g	J			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3,3'-	5.44	pg/g	BCJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3,4-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3',5-		pg/g	CU			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,3',6-	1.8	pg/g	J			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,4',5-	3.35	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 2,4',6-	2.88	pg/g	BJ	U	MBL	
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 3,4,4'-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-B33-5-6-08/21/2022	20474005	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	2-CHLOROBIPHENYL	19.6	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	4,4'-DICHLOROBIPHENYL	28.9	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Chlorobiphenyl; 3-	5.25	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Chlorobiphenyl; 4-	10.6	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	DECACHLOROBIPHENYL	36.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,2'-	21.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,3'-	12.9	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,4'-	42.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 3,3'-	44.3	pg/g	BJ	U	MBL	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	238	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	79	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	46.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	264	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	184	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	10.9	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	38.9	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	82.8	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	133	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	554	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	3.86	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	172	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	411	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	1.54	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	9.53	pg/g	BJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	46.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	9.47	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	121	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	71.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	971	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	337	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	11.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	44.3	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	461	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	62.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	171	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	30.6	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	26.3	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	134	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	277	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	41	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	15.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	910	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	7.66	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	935	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	59.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	92.1	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	65	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	69.3	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	54.6	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	6.56	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	14.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	137	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	69.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	49.7	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	21.3	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	156	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	18.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	30.6	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	94.5	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	6.82	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	PCB-167	28.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	PCB-82	80.8	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	59	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	213	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	106	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	482	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	913	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	8.12	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	165	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	26	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	256	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	23.6	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	855	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	9.55	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	472	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	35.7	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	190	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	21	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	8.82	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	58.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	969	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	11.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	5.58	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	631	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	11.7	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Polychlorinated Biphenyl (PCB)	17900	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	TETRACHLORO 1,1'-BIPHENYL	644	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	137	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	90.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,4-	13.4	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	431	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,5-	20.8	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	16.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',3,6-	60.8	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	329	pg/g	C			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',4,5-	46.7	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',4,6-	58.4	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	659	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	3.34	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	132	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,3',4-	5.25	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	4.67	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,3',6-	30.4	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	34.2	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	372	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,4',5-	14.5	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	11.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3',4,5-	7.97	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3,4',6-	142	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	16.3	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 2,3',5',6-	13	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	25.3	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	18	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,2',3-	26.5	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,2',4-	52.4	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,2',5-	87.5	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,2',6-	14.5	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3,3'-	209	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3,4'-	51	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3,4-	88.5	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3',4-	17.1	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3',5'-	3.47	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3',5-	32.4	pg/g	CJ			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,3',6-	9.64	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,4',5-	157	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 2,4',6-	37.5	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 3,3',4-	4.02	pg/g	JK	J	VJ	
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 3,4,4'-	52.6	pg/g	J			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E37-0-1-08/25/2022	20474006	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	2-CHLOROBIPHENYL	12.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	4,4'-DICHLOROBIPHENYL	12.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Chlorobiphenyl; 3-	3.24	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Chlorobiphenyl; 4-	8	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	DECACHLOROBIPHENYL	14.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,2'-	15.1	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,3'-	9.48	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,4'-	21.8	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 3,3'-	31.4	pg/g	BJ	U	MBL	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	100	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	32.3	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	20.2	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	102	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	66.1	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4.76	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	16	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	29.7	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	51.7	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	228	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	70.3	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	157	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	4.93	pg/g	BJ	U	MBL	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	19.7	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	4.1	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	39	pg/g	CJK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	25.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	342	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	107	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	13.3	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	152	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	17.2	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	66.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	9.85	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	8.47	pg/g	CJK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	45.2	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	92.2	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	14.4	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	4.67	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	353	pg/g	C			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	4.22	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	360	pg/g	C			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	20.4	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	28.9	pg/g	BCJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	21.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	23.8	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	22.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	3.35	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	7.53	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	57.1	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	31.7	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	21	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	9.27	pg/g	CJK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	67.6	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	7.86	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	12.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	42.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	3.64	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	PCB-167	11.4	pg/g	BJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	PCB-82	21.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	20	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	70.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	36	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	149	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	318	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	77.4	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	11.5	pg/g	CJK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	86.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	3.59	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	12.8	pg/g	CJK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	300	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	4.97	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	186	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	20.3	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	1.5	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	55.3	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	7.88	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	23.1	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	337	pg/g	C			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	3.82	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	3.57	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	211	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	5.44	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Polychlorinated Biphenyl (PCB)	6890	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	TETRACHLORO 1,1'-BIPHENYL	251	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	64.9	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	45.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	215	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	8.89	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',3,6-	39.8	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	179	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',4,5-	22.2	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',4,6-	37	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	274	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	3.42	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	50.4	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,3',6-		pg/g	CU			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	11.4	pg/g	BJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	160	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,4',5-	6.31	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	7.55	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3',4,5-	3.94	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3,4',6-	54.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	9.36	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	10.6	pg/g	BJ	U	MBL	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	8.77	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,2',3-	10.6	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,2',4-	28.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,2',5-	39.9	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,2',6-	8.26	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3,3'-	91.3	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3,4'-	20.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3,4-	33.7	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3',4-	12.2	pg/g	JK	J	VJ	
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3',5'-	1.92	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3',5-	22.9	pg/g	CJ			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,3',6-	5.14	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,4',5-	61.9	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 2,4',6-	18.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 3,4,4'-	18.5	pg/g	J			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E37-1-2-08/25/2022	20474007	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	2-CHLOROBIPHENYL	2.41	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Chlorobiphenyl; 3-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Chlorobiphenyl; 4-	3.06	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	DECACHLOROBIPHENYL	32.1	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 3,3'-	35.1	pg/g	BJK	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	23.4	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	8.71	pg/g	CJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	4.7	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	25.3	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	18.1	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	1.96	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	3.84	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	7.89	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	13.9	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	53.9	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	17.9	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	40.3	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	1.98	pg/g	BJK	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	4.29	pg/g	BJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	8.45	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	6.87	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	77.7	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	25.2	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	3.84	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	34.8	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	3.45	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	17.8	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	10.9	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	25.8	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	3.58	pg/g	JK	J	VJ	

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	92.6	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	1.77	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	93.1	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	7.09	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	6.81	pg/g	BCJ	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	5.24	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	6.31	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	4.61	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	2.82	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	15.4	pg/g	BJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	8.08	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	5.67	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	3.12	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	17.9	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	2.44	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	4.48	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	10.4	pg/g	BJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	PCB-167	2.97	pg/g	BJK	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	PCB-82	5.22	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	5.58	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	19.7	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	4.78	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	40.3	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	87.5	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	24.7	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	3.36	pg/g	CJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	24.5	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	2.97	pg/g	CJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	81	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	1.53	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	53.1	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	4.91	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	14.5	pg/g	BJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	2.93	pg/g	CJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	5.65	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	89.3	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	55.7	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Polychlorinated Biphenyl (PCB)	1820	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	TETRACHLORO 1,1'-BIPHENYL	64.8	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	19.2	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	13.1	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	58.1	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	2.67	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',3,6-	7.31	pg/g	BCJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	49.8	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',4,5-	4.61	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',4,6-	6.98	pg/g	BCJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	75.9	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	11.9	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,3',6-	4.57	pg/g	CJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	3.15	pg/g	BJ	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	40.9	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	3.15	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3,4',6-	13.1	pg/g	BJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	3.47	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	3.6	pg/g	BJK	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,2',3-	3.86	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,2',4-	7.22	pg/g	BJ	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,2',5-	8.77	pg/g	BCJK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,2',6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3,3'-	24.1	pg/g	BCJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3,4'-	5.71	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3,4-	11	pg/g	BCJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3',4-	3.99	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3',5-	8.12	pg/g	CJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,3',6-	2.35	pg/g	J			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,4',5-	17.2	pg/g	BJ			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 2,4',6-	4.66	pg/g	BJ	U	MBL	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 3,4,4'-	6.21	pg/g	JK	J	VJ	
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓
SIB-SC-E37-2-3-08/25/2022	20474008	E1668	Trichlorobiphenyl; 3,4',5'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	2-CHLOROBIPHENYL	16.7	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	4,4'-DICHLOROBIPHENYL	55.8	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Chlorobiphenyl; 3-	7.12	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Chlorobiphenyl; 4-	11.8	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	DECACHLOROBIPHENYL	76.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,4'-	59.9	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 3,3'-	118	pg/g	BJK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 3,4-	19.8	pg/g	CJK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	611	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	184	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	98.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	561	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	361	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	25	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	71.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	141	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	249	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1230	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	7.26	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	5.58	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	383	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	785	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	4.3	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	25	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	110	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	20.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	266	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	137	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2010	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	591	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	18.5	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	59.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	727	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	108	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	290	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	65.3	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	34.2	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	276	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	409	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	69.2	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	14.1	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	1640	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	14.9	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	3.19	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	1760	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	74.8	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	225	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	127	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	8.17	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	133	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	135	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	16.6	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	38.3	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	285	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	151	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	44.4	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	343	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	36.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	68.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	216	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	13.9	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	PCB-167	70.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	PCB-82	110	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	93.3	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	288	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	166	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	686	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	1420	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	9.91	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	304	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	43.9	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	391	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	12.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	43.2	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	1220	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	14.8	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	768	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	60.2	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	2.05	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	281	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	31.9	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	15.9	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	124	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	1490	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	5.55	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	14.6	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	11.7	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1060	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	21.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	2.82	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Polychlorinated Biphenyl (PCB)	31500	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	TETRACHLORO 1,1'-BIPHENYL	1090	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	244	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	166	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,4-	12.8	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	708	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,5-	23.4	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	26.5	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',3,6-	89.9	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	600	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',4,5-	83.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',4,6-	84.1	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	993	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	3.85	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	233	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,3',4-	12.2	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	10.3	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,3',6-	49.5	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	55.7	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	712	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,4',5-	29.5	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	20.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3',4,5-	14.7	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3,4',6-	214	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	33	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 2,3',5',6-	16.6	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	51.1	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,2',3-	45.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,2',4-	86.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,2',5-	136	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,2',6-	16.5	pg/g	JK	J	VJ	
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3,3'-	369	pg/g	C			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3,4'-	83.1	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3,4-	135	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3',4-	30.6	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3',5'-	6.1	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3',5-	62.4	pg/g	CJ			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,3',6-	15.4	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,4',5-	246	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 2,4',6-	48.6	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 3,3',4-	8.66	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 3,4,4'-	93.1	pg/g	J			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E37-3-4-08/25/2022	20474009	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	2-CHLOROBIPHENYL	83.1	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	4,4'-DICHLOROBIPHENYL	74.6	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Chlorobiphenyl; 3-	12.1	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Chlorobiphenyl; 4-	33.4	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	DECACHLOROBIPHENYL	92.4	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,2'-	65.5	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,3'-	34.4	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,4'-	95.2	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 3,3'-	85.2	pg/g	BJ	U	MBL	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	602	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	208	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	105	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	720	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	486	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	30.9	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	113	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	228	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	408	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	1420	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	9.82	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	6.32	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	489	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	1220	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	4.59	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	21.8	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	119	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	23.8	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	357	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	203	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	2950	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	961	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	31.5	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	133	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	1410	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	167	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	528	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	91.3	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	84.8	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	429	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	899	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	123	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	53.8	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	2890	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	33.7	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	3.37	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	2890	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	220	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	1.54	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	261	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	214	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-	203	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	5.33	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	136	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	17.5	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	36.6	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	295	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	171	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	116	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	57.2	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	414	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	46	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	87.1	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	245	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	14.7	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	PCB-167	88	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	PCB-82	235	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	161	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	556	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	318	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	1330	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	2710	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	22.6	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	504	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	84.2	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	693	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	18.2	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	75.5	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	2220	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	25.4	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	1390	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	100	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	2.31	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	600	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	63.1	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	31.1	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	175	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	2670	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	9.64	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	36.1	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	23.8	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	1860	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	43.2	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	5.48	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Polychlorinated Biphenyl (PCB)	50400	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	TETRACHLORO 1,1'-BIPHENYL	1760	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	403	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,4-	35.6	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	1190	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,5-	44.3	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	48.9	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',3,6-	158	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	935	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',4,5-	142	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',4,6-	164	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	1640	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	11.6	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	371	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,3',4-	20	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,3',6-	83.4	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	118	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	1000	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,4',5-	43.2	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	42.2	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3',4,5-	25.5	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3,4',6-	402	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	49.8	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 2,3',5',6-	25.9	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	75.2	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Tetrachlorobiphenyl; 3,4,4',5-	12.9	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,2',3-	76.5	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,2',4-	134	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,2',5-	227	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,2',6-	29.3	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3,3'-	491	pg/g	C			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3,4'-	121	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3,4-	173	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3',4-	50	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3',5'-	6.1	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3',5-	95.8	pg/g	CJ			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,3',6-	21	pg/g	J			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,4',5-	357	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 2,4',6-	78.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 3,3',4-	13.1	pg/g	JK	J	VJ	
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 3,4,4'-	133	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-E37-4-5-08/25/2022	20474012	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	2-CHLOROBIPHENYL	51.2	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	4,4'-DICHLOROBIPHENYL	215	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Chlorobiphenyl; 3-	23.5	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Chlorobiphenyl; 4-	58.5	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	DECACHLOROBIPHENYL	550	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,2'-	173	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,3'-	65.1	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,4'-	195	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,4-	14.3	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 2,6-	8.78	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 3,3'-	183	pg/g	BJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 3,4-	44.2	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2690	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	884	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	462	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3060	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2150	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	141	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	461	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1030	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1800	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6520	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	46.8	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	15.8	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2150	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	3.03	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5270	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	23.1	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	105	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	528	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	95.1	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	923	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	626	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	9210	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2950	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	76.4	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	399	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5220	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	514	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1960	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	232	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	228	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1330	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2750	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	385	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	140	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	9230	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	3.96	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	128	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	27.6	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	9620	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	592	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	7.67	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	675	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	533	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-	10.2	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	628	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	28.1	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	749	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	92.7	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	213	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1680	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	966	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	684	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	296	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2140	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	238	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	388	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1300	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	82	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	PCB-167	240	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	PCB-82	500	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	411	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1400	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	778	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3390	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	7670	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	45.5	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1660	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	246	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2230	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	98	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	362	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5740	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	139	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4080	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	574	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	26.9	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1070	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	136	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	58.9	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	470	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	7100	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	24.2	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	50.2	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	46.1	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4370	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	100	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	26.2	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 3,3',4,4',5-	13.6	pg/g	BJK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	7.02	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Polychlorinated Biphenyl (PCB)	159000	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	TETRACHLORO 1,1'-BIPHENYL	3870	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	984	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	632	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,4-	49.2	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3090	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,5-	85.3	pg/g	JK	J	VJ	
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	133	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',3,6-	741	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2840	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',4,5-	316	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1080	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5000	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	101	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	831	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	33.4	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,3',6-	235	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	168	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2410	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,4',5-	103	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	73.8	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3',4,5-	54.3	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3,4',6-	868	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	118	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 2,3',5',6-	82.5	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	193	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,2',3'-	171	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,2',4'-	473	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,2',5'-	541	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,2',6'-	270	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3,3'-	1330	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3,4'-	303	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3,4'-	515	pg/g	C			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3',4'-	134	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3',5'-	15.3	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3',5'-	223	pg/g	CJ			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,3',6'-	100	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,4',5'-	883	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 2,4',6'-	229	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 3,3',4'-	28.8	pg/g	J			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 3,3',5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 3,4,4'-	349	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 3,4,5'-		pg/g	U			✓
SIB-SC-E37-5-6-08/25/2022	20474013	E1668	Trichlorobiphenyl; 3,4',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	2-CHLOROBIPHENYL	2.44	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Chlorobiphenyl; 3-	2.67	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Chlorobiphenyl; 4-	2.51	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	DECACHLOROBIPHENYL	3.54	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,4'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 2,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 3,3'-	32.5	pg/g	BJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-52-08/25/2022	20474014	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	20.9	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	5.94	pg/g	CJK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	4.55	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	20	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	15.9	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	3.09	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	5.81	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	11.5	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	43.9	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	14.6	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	33	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	4.55	pg/g	BJK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	7.91	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	5.69	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	63.6	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	20.1	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	27.4	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	13.9	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	8.39	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	20	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	2.58	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	1.73	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	73.8	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	1.41	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	77.4	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	6.01	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7.04	pg/g	BCJK	U	MBL	
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	4.35	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	4.55	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	13.9	pg/g	BJ			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	6.61	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	5.78	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	3.52	pg/g	CJK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	15.1	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.25	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	9.15	pg/g	BJ			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	PCB-167	2.78	pg/g	BJK	U	MBL	
FD-52-08/25/2022	20474014	E1668	PCB-82	3.97	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	4.08	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	14.1	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	3.95	pg/g	CJK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	29.2	pg/g	BCJ			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	63.6	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	17.7	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	16.6	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,5,6-		pg/g	CU			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	61.9	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	41.7	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	4.39	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	9.01	pg/g	BJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	2.35	pg/g	CJK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	4.44	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	67.2	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	41.9	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Polychlorinated Biphenyl (PCB)	1400	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	TETRACHLORO 1,1'-BIPHENYL	53.4	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	12.1	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	9.89	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	46.5	pg/g	BCJ			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	2	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',3,6-	6.08	pg/g	BCJ	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	39.2	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',4,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	5.18	pg/g	BCJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	59.1	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	9.66	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,3',6'-		pg/g	CU			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	2.13	pg/g	BJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	35.4	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,4',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	2.85	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	9.95	pg/g	BJ			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	3.34	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	3.34	pg/g	BJK	U	MBL	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-	2.35	pg/g	JK	J	VJ	
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,2',3'-	2.91	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,2',4'-	6.17	pg/g	BJK	U	MBL	
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,2',5'-	6.84	pg/g	BCJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,2',6'-	2.82	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3,3'-	19	pg/g	BCJ			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3,4'-	4.93	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3,4'-	7.56	pg/g	BCJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3',4'-	2.96	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3,5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3',5'-	5.92	pg/g	CJ			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3,6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,3',6'-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,4',5'-	13.8	pg/g	BJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 2,4',6-	3.68	pg/g	BJ	U	MBL	
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 3,4,4'-	5.76	pg/g	J			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-52-08/25/2022	20474014	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	2-CHLOROBIPHENYL	102	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	4,4'-DICHLOROBIPHENYL	304	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Chlorobiphenyl; 3-	26.8	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Chlorobiphenyl; 4-	57.8	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	DECACHLOROBIPHENYL	440	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,2'-	207	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,3'-	126	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,4'-	390	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,4-	25.9	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,5-	29.2	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 2,6-	10.3	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 3,3'-	244	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 3,4-	68.5	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2110	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	737	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	368	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2360	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1600	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	116	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	378	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	714	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1330	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5240	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	28.2	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	16.6	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1820	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	3.25	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3750	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	12.7	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	82.2	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	407	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	74.3	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	970	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	618	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	8420	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2610	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	85.3	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	280	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3790	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	442	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1600	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	226	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	177	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1140	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2140	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	20.3	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	361	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	76.4	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	8200	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	3.38	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	75	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	8.32	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	8570	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	411	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	3.81	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	667	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	467	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-	7.29	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-	6.07	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	562	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	11.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	576	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	70	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	154	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1260	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	737	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	497	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	240	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1700	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	194	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	312	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1040	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	66.5	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	PCB-167	233	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	PCB-82	581	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	507	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1670	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	869	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3820	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	8130	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	57.1	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1650	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	263	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2150	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	43	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	164	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5900	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	71.4	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4600	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	303	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	4.61	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1270	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	150	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	63.2	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	550	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	8150	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	21.1	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	65.6	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	48.6	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	5310	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	109	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	8.95	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	8.06	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Polychlorinated Biphenyl (PCB)	162000	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	TETRACHLORO 1,1'-BIPHENYL	6780	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1590	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1160	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	88.8	pg/g	JK	J	VJ	
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	4420	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	130	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	157	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	517	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3670	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	609	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	454	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5780	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	12.4	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1470	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	61.3	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	339	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	293	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4240	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	161	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	124	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	77.9	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	1500	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	194	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	48.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	268	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,2',3'-	327	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,2',4'-	676	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,2',5'-	956	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,2',6'-	103	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3,3'-	2260	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3,4'-	522	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3,4-	869	pg/g	C			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3',4-	169	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3',5'-	33.1	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3',5-	288	pg/g	CJ			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,3',6-	88.2	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,4',5-	1570	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 2,4',6-	313	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 3,3',4-	47.1	pg/g	J			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 3,4,4'-	531	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C37-0-1-09/03/2022	20474015	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	2-CHLOROBIPHENYL	83.9	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	4,4'-DICHLOROBIPHENYL	375	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Chlorobiphenyl; 3-	29.7	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Chlorobiphenyl; 4-	53.2	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	DECACHLOROBIPHENYL	592	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,2'-	220	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,3'-	170	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,4'-	504	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,4-	26.9	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,5-	32.5	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 2,6-	10.5	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 3,3'-	259	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 3,4-	75.4	pg/g	CJK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	4150	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1420	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	725	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	4930	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	3620	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	218	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	810	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	1660	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	3220	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	10400	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	86.6	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	27.8	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	3430	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	6.34	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	8360	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	45.4	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	157	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	815	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	152	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1430	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	1100	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	14700	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	5010	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	127	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	815	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	9970	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	1010	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	3580	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	360	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	483	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2090	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	5300	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	615	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	278	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	17600	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	4.06	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	250	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	86.8	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	17300	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	1310	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	10.5	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1100	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	843	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	1120	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	38.3	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	874	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	104	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	248	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	2430	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1390	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	973	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	463	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3300	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	376	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	604	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1930	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	123	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	PCB-167	387	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	PCB-82	637	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	653	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	2090	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1120	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	5200	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	13200	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	63	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	3780	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	523	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	4310	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	259	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	860	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	9710	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	314	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	7870	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	977	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	24.4	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1420	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	196	pg/g	CJ			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	86.6	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	765	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	10900	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	45.8	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	96.1	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	64.8	pg/g	JK	J	VJ	
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	6450	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	194	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-	28	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	11.9	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Polychlorinated Biphenyl (PCB)	271000	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	TETRACHLORO 1,1'-BIPHENYL	6130	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1800	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	1110	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	80.4	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	8110	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	120	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	239	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',3,6-	2000	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	5410	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',4,5-	518	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',4,6-	1500	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6740	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	65.1	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1280	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	56.1	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,3',6-	388	pg/g	CJ			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	209	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	4020	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,4',5-	156	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	162	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3',4,5-	96.2	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1440	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	204	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	271	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,2',3-	402	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,2',4-	806	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,2',5-	1180	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,2',6-	157	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3,3'-	2740	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3,4'-	617	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3,4-	1040	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3',4-	254	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3',5'-	33.3	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3',5-	379	pg/g	C			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,3',6-	132	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,4',5-	1870	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 2,4',6-	511	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 3,3',4-	37.3	pg/g	J			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 3,4,4'-	589	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C37-1-2-09/03/2022	20474016	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	2-CHLOROBIPHENYL	2.79	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	4,4'-DICHLOROBIPHENYL	22.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Chlorobiphenyl; 3-	2.72	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Chlorobiphenyl; 4-	3.01	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	DECACHLOROBIPHENYL	14.2	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,2'-	10.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,3'-	9.17	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,4'-	33.5	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 3,3'-	32.5	pg/g	BJ	U	MBL	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	130	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	45.3	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	28.8	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	165	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	126	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	6.97	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	25.1	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	63.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	115	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	352	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	5.86	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	111	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	302	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	3.53	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	7.08	pg/g	BJK	U	MBL	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	25.1	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	6	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	26.5	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	24.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	384	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	115	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	30.9	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	292	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	26.5	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	103	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	6.92	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	11.9	pg/g	CJK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	53	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	152	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	15.5	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	10	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	532	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	14.8	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	5.59	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	482	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	55.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	20.4	pg/g	BCJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	18.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	31.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	30	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	86.2	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	44.2	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	38.2	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	15.8	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	109	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	12.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	20.3	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	60.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	PCB-167	8.36	pg/g	BJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	PCB-82	10.1	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	14	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	38.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	22.4	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	106	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	301	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	136	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	25.2	pg/g	CJK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	96.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	15.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	40.5	pg/g	CJK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	230	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	17.5	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	192	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	33.9	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	1.6	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	24.6	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	16.6	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	200	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	105	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Polychlorinated Biphenyl (PCB)	8030	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	TETRACHLORO 1,1'-BIPHENYL	143	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	75.2	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	22.1	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,4'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	413	pg/g	C			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	11.1	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	153	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	211	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	10.4	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	90.6	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	173	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	5.91	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	36	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	9.03	pg/g	CJK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	6.09	pg/g	BJ	U	MBL	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	99	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	4.67	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	4.85	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	31.9	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	4.13	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 2,3',5',6-	4.31	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	7.21	pg/g	BJ	U	MBL	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,2',3-	17.1	pg/g	JK	J	VJ	
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,2',4-	31.8	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,2',5-	41.5	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,2',6-	6.97	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3,3'-	95.8	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3,4'-	22.2	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3,4-	35.5	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3',4-	10.4	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3',5-	14.6	pg/g	CJ			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,3',6-	6.58	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,4',5-	69.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 2,4',6-	33.3	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 3,4,4'-	18	pg/g	J			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C37-2-3-09/03/2022	20474017	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	2-CHLOROBIPHENYL	2.96	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Chlorobiphenyl; 3-	2.01	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Chlorobiphenyl; 4-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	DECACHLOROBIPHENYL	8.16	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,4'-	12.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 3,3'-	36.5	pg/g	BJ	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	27.2	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	10.2	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	5.72	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	27.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	21.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	5.24	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	8.09	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	14.8	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	66.3	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	23.4	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	44.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	4.92	pg/g	BJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	6.22	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	6.68	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	83.9	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	27.9	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	4.15	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	44.4	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	5.54	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	17.6	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-		pg/g	CU			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	13.3	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	26.6	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	3.69	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	105	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	103	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	6.84	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	7.04	pg/g	BCJ	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	4.42	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	5.86	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	7.34	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	15	pg/g	BJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	7.38	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	7.06	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-		pg/g	CU			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	16.7	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	2.53	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	3.28	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	9.96	pg/g	BJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	PCB-167	2.85	pg/g	BJ	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	PCB-82	4.79	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	5.01	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	14	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	7.95	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	33.3	pg/g	BCJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	78.7	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	17.8	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-		pg/g	CU			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	23.7	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	2.71	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	65.1	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	46.2	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	3.74	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	10.2	pg/g	BJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	CU			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	5.58	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	76.6	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3,4,4',5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	43.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Polychlorinated Biphenyl (PCB)	1900	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	TETRACHLORO 1,1'-BIPHENYL	85.5	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	19.8	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	13.3	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,4-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	54.9	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	3.03	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	8.91	pg/g	BCJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	41.2	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	7.93	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	5.99	pg/g	BCJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	64.7	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	21.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	4.38	pg/g	CJK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	3.42	pg/g	BJK	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	53	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	2.71	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	2.28	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	20	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 2,3',5',6'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	3.9	pg/g	BJK	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,2',3-	5.51	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,2',4-	11.1	pg/g	BJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,2',5-	17.9	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,2',6-	2.76	pg/g	JK	J	VJ	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3,3'-	46.1	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3,4'-	12.5	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3,4-	21.1	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3',4-	3.67	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3',5-	7	pg/g	CJ			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,3',6-	1.64	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,4',5-	31.6	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 2,4',6-	6.86	pg/g	BJ	U	MBL	
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 3,4,4'-	8.18	pg/g	J			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-C37-3-4-09/03/2022	20474018	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	2-CHLOROBIPHENYL	38.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	4,4'-DICHLOROBIPHENYL	39.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Chlorobiphenyl; 3-	12.1	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Chlorobiphenyl; 4-	37.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	DECACHLOROBIPHENYL	25.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,2'-	30	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,3'-	16.4	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,4'-	49.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 3,3'-	46.6	pg/g	BJK	U	MBL	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 3,4-	16.3	pg/g	CJK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	179	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	58.5	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	31.1	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	192	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	113	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	7.79	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	22.3	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	42	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	70.2	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	444	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	2.9	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	131	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	252	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	1.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	8.39	pg/g	BJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	38.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	7.37	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	77	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	38.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	598	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	185	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	6.74	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	10.8	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	204	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	30.1	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	72	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	21	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	8.46	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	104	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	91.2	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-	26.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	2.59	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	450	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	2.61	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	476	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	18.2	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	56.5	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	48.3	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6'-	41.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'-	99.1	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	7.68	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	29.8	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	111	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	55.6	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	37.8	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	17.5	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6'-	153	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	14	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	27.3	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6'-	90.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6'-	6.43	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	PCB-167	21	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	PCB-82	39.9	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	24.3	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	84.1	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	49.4	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	202	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	336	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	4.31	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	55.2	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	20.4	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	74.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	3.93	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	9.76	pg/g	CJK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	312	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	2.46	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	134	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	7.9	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	102	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	9.91	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	4.51	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	20	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	440	pg/g	C			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	4.51	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	4.29	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	276	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	2.84	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Polychlorinated Biphenyl (PCB)	8840	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	TETRACHLORO 1,1'-BIPHENYL	189	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	73.7	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	24.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	8.39	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	182	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	5.09	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	6.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	22.1	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	82.6	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	17.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	16.3	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	175	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	1.25	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	38.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,3',4'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	11.3	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	16.7	pg/g	BJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	98.5	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	3.88	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	2.75	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	3.24	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	43.2	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	2.59	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	13.2	pg/g	BJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,2',3-	22.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,2',4-	29.8	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,2',5-	50.7	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,2',6-	8.95	pg/g	JK	J	VJ	
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3,3'-	103	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3,4'-	27.7	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3,4-	43.7	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3',4-	5.29	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3',5-	14	pg/g	CJ			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,3',6-	5.38	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,4',5-	68.2	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 2,4',6-	18.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 3,4,4'-	25.4	pg/g	J			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F37-1-2-09/03/2022	20474019	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	2,3-DICHLOROBIPHENYL	7.36	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	2-CHLOROBIPHENYL	32.8	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	4,4'-DICHLOROBIPHENYL	145	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Chlorobiphenyl; 3-	48.2	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Chlorobiphenyl; 4-	32	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	DECACHLOROBIPHENYL	717	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,2'-	76.1	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,3'-	54.4	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,4'-	132	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,4-	11.1	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,5-	12.1	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 3,3'-	207	pg/g	BJ			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 3,4-	42.6	pg/g	CJ			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3560	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1110	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	568	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3760	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2310	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	169	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	503	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	878	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1700	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	8520	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	29.6	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	28.5	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2750	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5030	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	8.9	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	130	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	701	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	137	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1990	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	871	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	14900	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	4750	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	181	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	243	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	5130	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	790	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	2050	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	525	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	237	pg/g	CJ			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	2430	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2090	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	30.3	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	646	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	38.6	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	10800	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	6.83	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	33.5	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	13.7	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	11600	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	223	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	1440	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	1180	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-	15.1	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	962	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	888	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	93.2	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	257	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1760	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	966	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	663	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	319	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	2340	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	247	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	368	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	1390	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	88.5	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	PCB-167	483	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	PCB-82	1300	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	714	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	2850	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1790	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	7190	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	12100	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	108	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	1730	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	304	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2720	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	48.3	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	104	pg/g	CJK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	10400	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	79.6	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	5280	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	163	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	2.42	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	2770	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	348	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	111	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	606	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	13800	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	8.14	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	123	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	101	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	8530	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	54.9	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	33.5	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Polychlorinated Biphenyl (PCB)	210000	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	TETRACHLORO 1,1'-BIPHENYL	5070	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	982	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	656	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	120	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3380	pg/g	C			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,5-	87.7	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	92.8	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',3,6-	307	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2310	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',4,5-	324	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',4,6-	343	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	6880	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	9.88	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	963	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,3',4-	27.2	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	23	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,3',6-	211	pg/g	CJ			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	264	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	2440	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,4',5-	98	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	49	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3',4,5-	46.9	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1140	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	83	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 2,3',5',6-	41.7	pg/g	JK	J	VJ	
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	212	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,2',3-	148	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,2',4-	236	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,2',5-	439	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,2',6-	57.5	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3,3'-	1010	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3,4'-	249	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3,4-	357	pg/g	C			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3',4-	83.9	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3',5'-	11.6	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3',5-	159	pg/g	CJ			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,3',6-	38.7	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,4',5-	763	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 2,4',6-	88.6	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 3,3',4-	26.4	pg/g	J			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 3,4,4'-	260	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F37-2-3-09/03/2022	20474020	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	2-CHLOROBIPHENYL	71	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	4,4'-DICHLOROBIPHENYL	240	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Chlorobiphenyl; 3-	33.5	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Chlorobiphenyl; 4-	54	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	DECACHLOROBIPHENYL	640	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,2'-	93.5	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,3'-	89	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,4'-	223	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,5-	19.1	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 3,3'-	344	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 3,4-	49.4	pg/g	CJK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	3620	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1050	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	531	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2880	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	2310	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	152	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	430	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	903	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1500	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	8950	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	52.4	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	22.2	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2220	pg/g	C			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	3.85	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	5020	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	18.2	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	170	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	771	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	146	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	1210	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	732	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	9860	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	3090	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	97.6	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	354	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	4100	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	525	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1630	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	277	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	221	pg/g	CJ			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1450	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2580	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	388	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	95	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	8900	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	4.19	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	88.8	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	11.9	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	9440	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	490	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.6	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	818	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	644	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	670	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	18.6	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	1150	pg/g		J	MSH,MSP	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	152	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	274	pg/g		J	MSH,MSP	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	3550	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	1740	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	1400	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	513	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	3610	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	351	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	557	pg/g		J	MSH,MSP	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	2380	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	183	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	PCB-167	292	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	PCB-82	759	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	558	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1780	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	1100	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	4530	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	9280	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	61.2	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1660	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	267	pg/g	CJ			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	2420	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	57.1	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	210	pg/g	CJ			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	6510	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	71.9	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	4970	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	309	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	6.98	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1660	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	218	pg/g	CJ			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	78.7	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	628	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	9310	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	28.4	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	77.3	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	80.9	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	6390	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	128	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	15.4	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Polychlorinated Biphenyl (PCB)	185000	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	TETRACHLORO 1,1'-BIPHENYL	6030	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1230	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	808	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,4-	93.1	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3710	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,5-	116	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	107	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',3,6-	411	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	3090	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',4,5-	429	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',4,6-	392	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	5390	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	16.6	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1270	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,3',4-	67.1	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	52.4	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,3',6-	270	pg/g	CJ			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	302	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3550	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,4',5-	146	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	157	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3',4,5-	76	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3,4',6-	1200	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	173	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	253	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,2',3-	222	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,2',4-	432	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,2',5-	684	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,2',6-	60.4	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3,3'-	1600	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3,4'-	376	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3,4-	568	pg/g	C			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3',4-	124	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3',5'-	20.6	pg/g	JK	J	VJ	
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3',5-	228	pg/g	CJ			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,3',6-	66.9	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,4',5-	1070	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 2,4',6-	195	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 3,3',4-	45.2	pg/g	J			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 3,4,4'-	437	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F37-3-4-09/03/2022	20474021	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	2-CHLOROBIPHENYL	73.8	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	4,4'-DICHLOROBIPHENYL	267	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Chlorobiphenyl; 3-	25.4	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Chlorobiphenyl; 4-	54.6	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	DECACHLOROBIPHENYL	350	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,2'-	79.9	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,3'-	89.2	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,4'-	245	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,4-	20.5	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,5-	23.6	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 3,3'-	307	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 3,4-	61.3	pg/g	CJK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1820	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	635	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	292	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2150	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	1460	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6-	102	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	324	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	641	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1200	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4360	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	26.3	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	16.6	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1900	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3350	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	15.7	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	68	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	357	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	64.3	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	853	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	533	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	7330	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2260	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	70.9	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	300	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3290	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	378	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1400	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	208	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	161	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1060	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	2010	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	15.8	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	278	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	89.8	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7200	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	86.3	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	15.6	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	7530	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	384	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.17	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	608	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	433	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-	9.6	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	484	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	19.5	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	523	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	67.1	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	157	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1040	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	568	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	418	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	203	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1370	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	163	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	269	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	824	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	49	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	PCB-167	221	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	PCB-82	475	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	408	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1310	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	730	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3090	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4',5-	6880	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	41.6	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1550	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	220	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1890	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	75.3	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	275	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	4720	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	96.2	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3810	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	333	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	18.3	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1090	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	134	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	59.9	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	460	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	6560	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	21.4	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	58.6	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	58	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4460	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	85.9	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 2,3',4,5',6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Polychlorinated Biphenyl (PCB)	134000	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	TETRACHLORO 1,1'-BIPHENYL	5300	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1030	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	688	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,4-	95.4	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3420	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	85.2	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	116	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',3,6'-		pg/g	CU			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2780	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	374	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',4,6'-	529	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4340	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	28.4	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1140	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	15.6	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,3',5'-	43	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,3',6'-	228	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	284	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3260	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,4',5'-	130	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	100	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	67.8	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3,4',6'-	971	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	156	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 2,3',5',6'-	68.8	pg/g	JK	J	VJ	
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	236	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Tetrachlorobiphenyl; 3,4,4',5'-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,2',3-	212	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,2',4-	446	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,2',5-	665	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,2',6-	61.3	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3,3'-	1710	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3,4'-	399	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3,4-	610	pg/g	C			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3',4-	126	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3',5'-	22.6	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3',5-	231	pg/g	CJ			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,3',6-	61.8	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,4',5-	1150	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 2,4',6-	225	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 3,3',4-	45.6	pg/g	J			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 3,4,4'-	477	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F37-4-5-09/03/2022	20474024	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	2-CHLOROBIPHENYL	58.1	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	4,4'-DICHLOROBIPHENYL	252	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Chlorobiphenyl; 3-	26.8	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Chlorobiphenyl; 4-	50.6	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	DECACHLOROBIPHENYL	412	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,2'-	94.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,3'-	83.1	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,4'-	240	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,4-	22.9	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,5-	21.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 2,6-	9.37	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 3,3'-	303	pg/g	B			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 3,4-	55.2	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2150	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	679	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	394	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2320	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1510	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	99.8	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	312	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	601	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1140	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	5080	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	24.8	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	16.9	pg/g	J			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1690	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	2.62	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3400	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	14.2	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	76.2	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	423	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	82.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	897	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	532	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	7640	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	2380	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	73.2	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	249	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	3190	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	384	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	1320	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	222	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	157	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	1030	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	1880	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	293	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	67.4	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	7280	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	3.45	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	69.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	9.85	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	7760	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	342	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	4.39	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	665	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	472	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	504	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	11.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	582	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	72.8	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	177	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1240	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	670	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	484	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	217	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1560	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	180	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	302	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	918	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	54.4	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	PCB-167	227	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	PCB-82	478	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,3',5-	387	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,3',6-	1350	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	717	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	3180	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4,5-	6560	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	41.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4,6-	1400	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	208	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	1740	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	53.2	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,5,6-	182	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,5',6-	5470	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	71.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',4,4',5-	3700	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',4,5',6-	299	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	8.24	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	1210	pg/g				✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	146	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4,5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	76.4	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4',5-	509	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',4',6-	6680	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	17.5	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,3',5,6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3,4,4',5-	67.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	54.2	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3',4,4',5-	4750	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	84	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 2,3',4,5',6-	10.4	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 3,3',4,4',5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Polychlorinated Biphenyl (PCB)	136000	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	TETRACHLORO 1,1'-BIPHENYL	4890	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	1020	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	757	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,4-	95.5	pg/g	JK	J	VJ	
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	3120	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,5-	94.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	105	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',3,6-	427	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	2670	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',4,5-	366	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',4,6-	499	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	4450	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,2',6,6'-	21.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	1070	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,3',6-	229	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	239	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	3030	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,4',5-	113	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3',4,5'-	88.3	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3',4,5-	61.1	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3,4',6-	964	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3',5,5'-	148	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 2,3',5',6-	66	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	230	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,2',3-	215	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,2',4-	445	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,2',5-	637	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,2',6-	67.3	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3,3'-	1630	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3,4'-	388	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3,4-	613	pg/g	C			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3',4-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3',5'-	22.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3',5-	222	pg/g	CJ			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,3',6-	64.6	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,4',5-	1110	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 2,4',6-	242	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 3,3',4-	38.4	pg/g	J			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 3,4,4'-	467	pg/g				✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
SIB-SC-F37-5-5.9-09/03/2022	20474025	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	2,3-DICHLOROBIPHENYL		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	2-CHLOROBIPHENYL	10	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	4,4'-DICHLOROBIPHENYL		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Chlorobiphenyl; 3-	18.8	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Chlorobiphenyl; 4-	22	pg/g	BJK	J	VJ	
FD-54-09/03/2022	20474026	E1668	DECACHLOROBIPHENYL	28.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,2'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,3'-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,4'-	24.6	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,4-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 2,6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 3,3'-	47.1	pg/g	BJK	U	MBL	
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 3,4-		pg/g	CU			✓
FD-54-09/03/2022	20474026	E1668	Dichlorobiphenyl; 3,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	188	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	54.6	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	35.7	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	194	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	111	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	8.18	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	22.4	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	39.7	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	74.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	432	pg/g	C			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	2.37	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	132	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	244	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	8.4	pg/g	BJ	U	MBL	
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	38.2	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	8.23	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	78.2	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	34.7	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	583	pg/g	C			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	183	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	6.83	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	10.8	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	199	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	29.4	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	65.9	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	20.7	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	8.04	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	96.7	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	92.8	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	24.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	3.14	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	456	pg/g	C			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	2.97	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	486	pg/g	C			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	19.3	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	57.5	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	52.2	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	40.9	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	69.3	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	8.18	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	21.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	109	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	52.5	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	40.2	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	18.4	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	137	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	13.9	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	25.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	78.9	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	5.36	pg/g	BJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-54-09/03/2022	20474026	E1668	PCB-167	22.2	pg/g	BJ			✓
FD-54-09/03/2022	20474026	E1668	PCB-82	32.9	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,3',5'-	22.1	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,3',6'-	72.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	38.9	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4,5'-	174	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4',5'-	289	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	50.7	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	20.4	pg/g	CJK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	68.3	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	7.8	pg/g	CJK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,5',6'-	279	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	3.02	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',4,4',5'-	125	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',4,5',6'-	10.5	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,2',4,6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	92.1	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	11.3	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	19.9	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',4',6'-	388	pg/g	C			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,3',5,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3,4,4',5'-	5.12	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	4.68	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	256	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3',4,5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 2,3',4,5',6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 3,3',4,4',5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Pentachlorobiphenyl; 3,3',4,5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Polychlorinated Biphenyl (PCB)	8080	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	TETRACHLORO 1,1'-BIPHENYL	162	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,3'-	67.1	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,4'-	19.7	pg/g	J			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,4-	6.01	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,5'-	205	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,6'-	4.8	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',3,6-	19.6	pg/g	BCJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',4,5'-	74	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',4,5-	12.2	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',4,6-	14.6	pg/g	BCJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',5,5'-	145	pg/g				✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,2',6,6'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,3',4'-	35.5	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,3',4-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,3',5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,3',5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,3',6-	8.45	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,4,4'-	14.5	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3',4,4'-	84.4	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,4',5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3',4,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3',4,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3,4',6-	34	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3',5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 2,3',5',6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 3,3',4,4'-	13.6	pg/g	BJ	U	MBL	
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 3,3',4,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 3,3',4,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 3,3',5,5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Tetrachlorobiphenyl; 3,4,4',5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,2',3-	11.1	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,2',4-	17	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,2',5-	29.4	pg/g	BCJ			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,2',6-	10	pg/g	BJ	U	MBL	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3,3'-	75.4	pg/g	CJ			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3,4'-	19.7	pg/g	BJ			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3,4-	27.1	pg/g	BCJ			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3',4-	4.85	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3,5-		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3',5'-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3',5'-	10	pg/g	CJK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3,6-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,3',6-	4.54	pg/g	JK	J	VJ	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,4',5-	43.6	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 2,4',6-	15.3	pg/g	BJ	U	MBL	
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 3,3',4-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 3,3',5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 3,4,4'-	20.8	pg/g	J			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 3,4,5-		pg/g	U			✓
FD-54-09/03/2022	20474026	E1668	Trichlorobiphenyl; 3,4',5-		pg/g	U			✓
SIB-SC-B33-1-2-08/21/2022	Calc	CALC	SUM PCB CONGENERS	417	pg/g				✓
SIB-SC-B33-2-3-08/21/2022	Calc	CALC	SUM PCB CONGENERS	337	pg/g				✓
SIB-SC-B33-4-5-08/21/2022	Calc	CALC	SUM PCB CONGENERS	305	pg/g				✓
SIB-SC-C37-1-2-09/03/2022	Calc	CALC	SUM PCB CONGENERS	271000	pg/g				✓
SIB-SC-C37-2-3-09/03/2022	Calc	CALC	SUM PCB CONGENERS	8150	pg/g				✓
SIB-SC-E37-2-3-08/25/2022	Calc	CALC	SUM PCB CONGENERS	1940	pg/g				✓
SIB-SC-E37-4-5-08/25/2022	Calc	CALC	SUM PCB CONGENERS	50500	pg/g				✓
SIB-SC-E37-5-6-08/25/2022	Calc	CALC	SUM PCB CONGENERS	159000	pg/g				✓
SIB-SC-F37-3-4-09/03/2022	Calc	CALC	SUM PCB CONGENERS	185000	pg/g				✓
SIB-SC-F37-4-5-09/03/2022	Calc	CALC	SUM PCB CONGENERS	134000	pg/g				✓
SIB-SC-B33-5-6-08/21/2022	Calc	CALC	SUM PCB CONGENERS	311	pg/g				✓
SIB-SC-E37-0-1-08/25/2022	Calc	CALC	SUM PCB CONGENERS	18000	pg/g				✓
SIB-SC-E37-3-4-08/25/2022	Calc	CALC	SUM PCB CONGENERS	31600	pg/g				✓
SIB-SC-F37-1-2-09/03/2022	Calc	CALC	SUM PCB CONGENERS	8890	pg/g				✓
SIB-SC-B33-3-4-08/21/2022	Calc	CALC	SUM PCB CONGENERS	271	pg/g				✓
SIB-SC-C37-3-4-09/03/2022	Calc	CALC	SUM PCB CONGENERS	2000	pg/g				✓
SIB-SC-E37-1-2-08/25/2022	Calc	CALC	SUM PCB CONGENERS	6960	pg/g				✓
SIB-SC-F37-2-3-09/03/2022	Calc	CALC	SUM PCB CONGENERS	210000	pg/g				✓
SIB-SC-F37-5-5-9-09/03/2022	Calc	CALC	SUM PCB CONGENERS	136000	pg/g				✓
SIB-SC-C37-0-1-09/03/2022	Calc	CALC	SUM PCB CONGENERS	162000	pg/g				✓

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20475
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 07.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 7.28.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C12-1-2-07/25/2022	20475001	Sediment
SIB-SC-C12-2-3-07/25/2022	20475002	Sediment
SIB-SC-C12-3-4-07/25/2022	20475003	Sediment
SIB-SC-C12-4-5-07/25/2022	20475004	Sediment
SIB-SC-C12-5-6-07/25/2022	20475005	Sediment
SIB-SC-D12-1-2-08/02/2022	20475006	Sediment
SIB-SC-D12-2-3-08/02/2022	20475007	Sediment
SIB-SC-D12-3-4-08/02/2022	20475008	Sediment
SIB-SC-D12-4-5-08/02/2022	20475009	Sediment
SIB-SC-D12-5-6-08/02/2022	20475010	Sediment
SIB-SC-D13-1-2-08/02/2022	20475011	Sediment
FD-23-08/02/2022	20475012	Sediment
SIB-SC-D13-2-3-08/02/2022	20475013	Sediment
SIB-SC-D13-2-3-08/02/2022 MS	20475014	Sediment
SIB-SC-D13-2-3-08/02/2022 MSD	20475015	Sediment
SIB-SC-D13-3-4-08/02/2022	20475016	Sediment
SIB-SC-D13-4-5-08/02/2022	20475017	Sediment
SIB-SC-D13-5-6-08/02/2022	20475018	Sediment
SIB-SC-D14-1-2-08/02/2022	20475019	Sediment
SIB-SC-D14-2-3-08/02/2022	20475020	Sediment
SIB-SC-D14-3-4-08/02/2022	20475021	Sediment
SIB-SC-D14-4-5-08/02/2022	20475022	Sediment
SIB-SC-D14-5-6-08/02/2022	20475023	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank associated with batch 51662 was contaminated with 2.15 pg/g of 1,2,3,4,6,7,8,9-OCDD, leading to a qualification limit of 10.75 pg/g. The detections of 1,2,3,4,6,7,8,9-OCDD in all associated samples are greater than the qualification limit and no qualification is required. The method 1613B method bank associated with batch 51662 was contaminated with 0.454 pg/g of 1,2,3,4,6,7,8,9-OCDD and 0.242 pg/g of 1,2,3,4,6,7,8-HpCDF, leading to qualification limits of 2.27 pg/g and 1.21 pg/g, respectively. The detections of 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8-HpCDF in the associated sample are greater than the qualification limit and no qualification is required.

Qualification: None required.

Rinsate Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples in this SDG that were sampled on 7/25/22 and was free from contamination. Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples in this SDG that were sampled on 8/2/2022. The rinsate blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits with one exception. The LCS in batch 51663 yielded a low recovery for 1,2,3,7,8-PeCDF. Only one sample is associated with this LCS, and the 1,2,3,7,8-PeCDF result should be qualified J-LCSL.

***Qualification:* The 1,2,3,7,8-PeCDF result in sample SIB-SC-D14-5-6-08/02/2022 is qualified J-LCSL.**

Surrogates – All surrogates (labeled standards) were within control limits with one exception. In sample SIB-SC-C12-2-3-07/25/2022, surrogate 13C-1,2,3,6,7,8-HxCDF recovered above control limits. Detections of analytes associated with this surrogate should be qualified J-LSH, while non-detects require no qualification.

***Qualification:* The detected result for 1,2,3,6,7,8-HxCDF in sample SIB-SC-C12-2-3-07/25/2022 is qualified J-LSH.**

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-D13-2-3-08/02/2022. All %Rs were within QAPP control limits, with the exception of 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDD, which recovered below control limits in the MS and MSD, but the sample concentrations were >4x the spike concentration and the %R results are not applicable. Additionally, 1,2,3,4,6,7,8,9-OCDF recovered below control limits in the MSD and this result in sample SIB-SC-D13-2-3-08/02/2022 is qualified J-MSL. All RPDs were within QAPP control limits.

***Qualification:* For sample SIB-SC-D13-2-3-08/02/2022, the 1,2,3,4,6,7,8,9-OCDF result is qualified J-MSL.**

Field Duplicate – Sample FD-23-08/02/2022 was submitted as a field duplicate of sample SIB-SC-D13-1-2-08/02/2022. All precision criteria were met with the exception of 1,2,3,4,7,8-HxCDF, which failed absolute difference criteria. These results in the parent and field duplicate should be qualified J-FDPA.

***Qualification:* The 1,2,3,4,7,8-HxCDF results in samples FD-23-08/02/2022 and SIB-SC-D13-1-2-08/02/2022 are qualified J-FDPA.**

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 8 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; ; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- 8 OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.
- Three Heptachloro-p-dioxin results reported with a laboratory qualifier of E have the reportable_result field populated with “No” by the laboratory and is changed to “Yes”. Although total congener results are not validated, these results are reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C12-2-3-07/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.4	JK	1.4	J	EMPC
SIB-SC-C12-2-3-07/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.97	J	1.97	J	LSH
SIB-SC-C12-4-5-07/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.709	JK	0.709	J	EMPC
SIB-SC-C12-4-5-07/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.54	JK	3.54	J	EMPC
SIB-SC-C12-5-6-07/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	60.5	K	60.5	J	EMPC
SIB-SC-C12-5-6-07/25/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.05	JK	3.05	J	EMPC
SIB-SC-C12-5-6-07/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.67	JK	1.67	J	EMPC
SIB-SC-C12-5-6-07/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.33	K	7.33	J	EMPC
SIB-SC-C12-5-6-07/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.675	JK	0.675	J	EMPC
SIB-SC-C12-5-6-07/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.94	JK	3.94	J	EMPC
SIB-SC-C12-5-6-07/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.16	JK	1.16	J	EMPC
SIB-SC-C12-5-6-07/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	--	1.12	DNR	EXC
SIB-SC-C12-5-6-07/25/2022	OCTACHLORODIBENZOFURAN	248	K	248	J	EMPC
SIB-SC-C12-5-6-07/25/2022	OCTACHLORODIBENZO-P-DIOXIN	5280	E	5280	J	ACR
SIB-SC-D12-1-2-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.79	K	7.79	J	EMPC
SIB-SC-D12-1-2-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19.8	K	19.8	J	EMPC
SIB-SC-D12-1-2-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.73	K	4.73	J	EMPC
SIB-SC-D12-1-2-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.01	--	5.01	DNR	EXC
SIB-SC-D12-1-2-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	13600	E	13600	J	ACR
SIB-SC-D12-2-3-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.63	JK	1.63	J	EMPC
SIB-SC-D12-2-3-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.779	JK	0.779	J	EMPC
SIB-SC-D12-2-3-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1	JK	1	J	EMPC
SIB-SC-D12-3-4-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.2	K	17.2	J	EMPC
SIB-SC-D12-3-4-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	35.8	K	35.8	J	EMPC
SIB-SC-D12-3-4-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	21.3	K	21.3	J	EMPC
SIB-SC-D12-3-4-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.69	K	2.69	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D12-3-4-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.21	K	3.21	J	EMPC
SIB-SC-D12-3-4-08/02/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.84	K	2.84	J	EMPC
SIB-SC-D12-3-4-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	12600	E	12600	J	ACR
SIB-SC-D12-4-5-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.76	K	5.76	J	EMPC
SIB-SC-D12-4-5-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.713	JK	0.713	J	EMPC
SIB-SC-D12-4-5-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.25	JK	1.25	J	EMPC
SIB-SC-D12-4-5-08/02/2022	OCTACHLORODIBENZOFURAN	31.7	K	31.7	J	EMPC
SIB-SC-D12-5-6-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.62	JK	1.62	J	EMPC
SIB-SC-D12-5-6-08/02/2022	OCTACHLORODIBENZOFURAN	8.28	JK	8.28	J	EMPC
SIB-SC-D13-1-2-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	33	--	33	J	FDPA
SIB-SC-D13-1-2-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.38	K	5.38	J	EMPC
SIB-SC-D13-1-2-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	8.9	--	8.9	DNR	EXC
SIB-SC-D13-1-2-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	12300	E	12300	J	ACR
FD-23-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	16.8	--	16.8	J	FDPA
FD-23-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.07	K	5.07	J	EMPC
FD-23-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.3	K	3.3	J	EMPC
FD-23-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.35	K	6.35	J	EMPC
FD-23-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.49	--	5.49	DNR	EXC
FD-23-08/02/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.02	K	1.02	J	EMPC
FD-23-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	8900	E	8900	J	ACR
SIB-SC-D13-2-3-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.36	JK	3.36	J	EMPC
SIB-SC-D13-2-3-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.98	JK	2.98	J	EMPC
SIB-SC-D13-2-3-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.33	JK	2.33	J	EMPC
SIB-SC-D13-2-3-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.79	K	2.79	DNR	EXC
SIB-SC-D13-2-3-08/02/2022	OCTACHLORODIBENZOFURAN	350	--	350	J	MSL
SIB-SC-D13-2-3-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	4700	E	4700	J	ACR
SIB-SC-D13-3-4-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.59	JK	2.59	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D13-4-5-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.7	JK	1.7	J	EMPC
SIB-SC-D13-4-5-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.72	--	1.72	DNR	EXC
SIB-SC-D13-4-5-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.61	K	1.61	J	EMPC
SIB-SC-D13-4-5-08/02/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.941	K	0.941	J	EMPC
SIB-SC-D13-4-5-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	4600	E	4600	J	ACR
SIB-SC-D13-5-6-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	35.6	K	35.6	J	EMPC
SIB-SC-D13-5-6-08/02/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.48	JK	1.48	J	EMPC
SIB-SC-D13-5-6-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.99	JK	2.99	J	EMPC
SIB-SC-D13-5-6-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.56	JK	2.56	J	EMPC
SIB-SC-D13-5-6-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.666	JK	0.666	J	EMPC
SIB-SC-D13-5-6-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.12	JK	2.12	J	EMPC
SIB-SC-D13-5-6-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.754	JK	0.754	J	EMPC
SIB-SC-D13-5-6-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	K	1.18	DNR	EXC
SIB-SC-D13-5-6-08/02/2022	OCTACHLORODIBENZOFURAN	113	K	113	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	45.3	K	45.3	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.53	JK	2.53	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.18	JK	4.18	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.68	JK	1.68	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.56	JK	3.56	J	EMPC
SIB-SC-D14-1-2-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.916	JK	0.916	J	EMPC
SIB-SC-D14-1-2-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.13	JK	2.13	J	EMPC
SIB-SC-D14-1-2-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.529	JK	0.529	J	EMPC
SIB-SC-D14-1-2-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.28	K	2.28	DNR	EXC
SIB-SC-D14-1-2-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.26	K	2.26	J	EMPC
SIB-SC-D14-1-2-08/02/2022	OCTACHLORODIBENZOFURAN	237	K	237	J	EMPC
SIB-SC-D14-2-3-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21	K	21	J	EMPC
SIB-SC-D14-2-3-08/02/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.69	JK	1.69	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D14-2-3-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.03	JK	4.03	J	EMPC
SIB-SC-D14-2-3-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.23	JK	1.23	J	EMPC
SIB-SC-D14-2-3-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.88	JK	1.88	J	EMPC
SIB-SC-D14-2-3-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.02	JK	2.02	J	EMPC
SIB-SC-D14-2-3-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.511	JK	0.511	J	EMPC
SIB-SC-D14-2-3-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.13	K	1.13	DNR	EXC
SIB-SC-D14-2-3-08/02/2022	OCTACHLORODIBENZOFURAN	151	K	151	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.78	JK	1.78	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.94	JK	1.94	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.776	JK	0.776	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.37	JK	1.37	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.95	JK	3.95	J	EMPC
SIB-SC-D14-3-4-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.657	JK	0.657	J	EMPC
SIB-SC-D14-3-4-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.42	JK	1.42	J	EMPC
SIB-SC-D14-3-4-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.739	JK	0.739	J	EMPC
SIB-SC-D14-4-5-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.42	JK	1.42	J	EMPC
SIB-SC-D14-4-5-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.557	JK	0.557	J	EMPC
SIB-SC-D14-4-5-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.5	JK	1.5	J	EMPC
SIB-SC-D14-5-6-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.42	J	3.42	J	LCSL
SIB-SC-D14-5-6-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.5	K	4.5	J	EMPC
SIB-SC-D14-5-6-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	--	2.01	DNR	EXC
SIB-SC-D14-5-6-08/02/2022	OCTACHLORODIBENZO-P-DIOXIN	11400	E	11400	J	ACR



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20480

May 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20480	SIB-SC-E22-1-2-08092022	20480001	SE	✓
20480	SIB-SC-E22-2-3-08092022	20480002	SE	✓
20480	SIB-SC-E22-3-4-08092022	20480003	SE	✓
20480	SIB-SC-E22-4-5-08092022	20480004	SE	✓
20480	SIB-SC-E22-5-6-08092022	20480005	SE	✓
20480	SIB-SC-E22-6-7-08092022	20480006	SE	✓
20480	SIB-SC-E22-7-8-08092022	20480007	SE	✓
20480	SIB-SC-E22-8-9-08092022	20480008	SE	✓
20480	SIB-SC-E22-9-10-08/09/2022	20480009	SE	✓
20480	SIB-SC-E22-10-11-08092022	20480010	SE	✓
20480	SIB-SC-E22-11-12-08092022	20480011	SE	✓
20480	SIB-SC-E22-12-13-08092022	20480014	SE	✓
20480	SIB-SC-E22-13-14-08092022	20480015	SE	✓
20480	SIB-SC-E22-14-15-08092022	20480016	SE	✓
20480	FD-32-08/09/2022	20480017	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20480	15 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For thirteen (13) samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
1	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. There was a positive result for OCDD in the method blank. All associated field sample results were greater than the 5x action level; no data were qualified.

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blank EB07-08092022 is associated with the samples with results reported in this SDG; results for this EB were reported in CFA SDG 20187. EB07-08092022 was free from all contamination.

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. All acceptance criteria were met.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-E22-9-10-08/09/2022 & FD-32-08/09/2022, were submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPDs.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Data were estimated due to calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	269	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1110	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	21.8	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	44	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.21	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.6	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	35.6	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	8.29	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	14.7	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.12	pg/g	JK	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.33	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	15.2	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	10.4	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	42.6	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	42.6	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	9.78	pg/g		DNR	EXC	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.32	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.45	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	Heptachlorodibenzo-P-Dioxin	2390	pg/g	E	J	ACR	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	HEXACHLORODIBENZOFURAN	454	pg/g	JK	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	293	pg/g	JK	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	OCTACHLORODIBENZOFURAN	749	pg/g				✓
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12100	pg/g	E	J	ACR	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	PENTACHLORO DIBENZOFURAN	108	pg/g	JK	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	PENTACHLORODIBENSO-P-DIOXIN	47	pg/g	JK	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	60.6	pg/g	K	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	TETRACHLORODIBENZO-P-DIOXIN	19.4	pg/g	K	J	VJ	
SIB-SC-E22-1-2-08/09/2022	20480001	E1613B	TOTAL HpCDFs	1060	pg/g	J			✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	320	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1130	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	24.6	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	62.9	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.33	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21	pg/g	K	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	40.5	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	11.8	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.5	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.65	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.16	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	19.4	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	16.6	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	49.6	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	49.6	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	8.98	pg/g		DNR	EXC	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	7.16	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.66	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	Heptachlorodibenzo-P-Dioxin	2250	pg/g	E	J	ACR	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	HEXACHLORODIBENZOFURAN	556	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	313	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	OCTACHLORODIBENZOFURAN	911	pg/g				✓
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13900	pg/g	E	J	ACR	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	PENTACHLORO DIBENZOFURAN	152	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	PENTACHLORODIBENSO-P-DIOXIN	52.1	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	67.3	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	TETRACHLORODIBENZO-P-DIOXIN	23.8	pg/g	JK	J	VJ	
SIB-SC-E22-2-3-08/09/2022	20480002	E1613B	TOTAL HpCDFs	1250	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	181	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	851	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.3	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.44	pg/g	J			✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.5	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.42	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.2	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.7	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.52	pg/g	K	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.7	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.41	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	32.2	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	32.2	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.59	pg/g		DNR	EXC	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.86	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.34	pg/g	K	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	Heptachlorodibenzo-P-Dioxin	1730	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	HEXACHLORODIBENZOFURAN	301	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	HEXACHLORODIBENZO-P-DIOXIN	208	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	OCTACHLORODIBENZOFURAN	478	pg/g				✓
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10900	pg/g	E	J	ACR	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	PENTACHLORO DIBENZOFURAN	107	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	PENTACHLORODIBENSO-P-DIOXIN	40.4	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	57.3	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.3	pg/g	JK	J	VJ	
SIB-SC-E22-3-4-08/09/2022	20480003	E1613B	TOTAL HpCDFs	679	pg/g	JK	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	117	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	751	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.24	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	11.3	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.97	pg/g	J			✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.5	pg/g	K	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	23.2	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.91	pg/g	JK	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.2	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.29	pg/g	J			✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.86	pg/g	K	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	7.86	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	5.42	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	25.9	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	25.9	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.75	pg/g		DNR	EXC	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.77	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.82	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	Heptachlorodibenzo-P-Dioxin	1620	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	HEXACHLORODIBENZOFURAN	212	pg/g	JK	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	HEXACHLORODIBENZO-P-DIOXIN	192	pg/g	J			✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	OCTACHLORODIBENZOFURAN	321	pg/g				✓
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	OCTACHLORODIBENZO-P-DIOXIN	11000	pg/g	E	J	ACR	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	PENTACHLORO DIBENZOFURAN	76.4	pg/g	JK	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	PENTACHLORODIBENSO-P-DIOXIN	38.8	pg/g	JK	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	44.2	pg/g	K	J	VJ	
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.6	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-4-5-08/09/2022	20480004	E1613B	TOTAL HpCDFs	431	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	145	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1320	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.7	pg/g	K	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.4	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.64	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.6	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	29.6	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.05	pg/g	J			✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	15.8	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.09	pg/g	J			✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.92	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.75	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.76	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	40.4	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	40.4	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.84	pg/g		DNR	EXC	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.34	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.78	pg/g	K	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	Heptachlorodibenzo-P-Dioxin	2840	pg/g	E	J	ACR	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	HEXACHLORODIBENZOFURAN	267	pg/g	JK	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	260	pg/g	JK	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	OCTACHLORODIBENZOFURAN	449	pg/g				✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	23200	pg/g	E	J	ACR	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	PENTACHLORO DIBENZOFURAN	101	pg/g	JK	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	45.2	pg/g	J			✓
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	64	pg/g	K	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.1	pg/g	JK	J	VJ	
SIB-SC-E22-5-6-08/09/2022	20480005	E1613B	TOTAL HpCDFs	570	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	238	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	809	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13.9	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	22.8	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.14	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	25.2	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	5.12	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.6	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.39	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.05	pg/g	K	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.7	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.25	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	32.8	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	32.8	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.02	pg/g		DNR	EXC	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.23	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	Heptachlorodibenzo-P-Dioxin	1680	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	HEXACHLORODIBENZOFURAN	362	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	218	pg/g	J			✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	OCTACHLORODIBENZOFURAN	635	pg/g				✓
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10500	pg/g	E	J	ACR	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	PENTACHLORO DIBENZOFURAN	121	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	PENTACHLORODIBENZO-P-DIOXIN	41.7	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	56.5	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.8	pg/g	JK	J	VJ	
SIB-SC-E22-6-7-08/09/2022	20480006	E1613B	TOTAL HpCDFs	855	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	282	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	563	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.9	pg/g	K	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.3	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.9	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	20.4	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.35	pg/g	J			✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.15	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.16	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.61	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.67	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	26.4	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	26.3	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.41	pg/g		DNR	EXC	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓

Qualified Data Summary Table
Swan Island Basin

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.02	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	Heptachlorodibenzo-P-Dioxin	1290	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	HEXACHLORODIBENZOFURAN	345	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	155	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	OCTACHLORODIBENZOFURAN	549	pg/g				✓
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	9380	pg/g	E	J	ACR	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	PENTACHLORO DIBENZOFURAN	148	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	PENTACHLORODIBENSO-P-DIOXIN	36.4	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	66.4	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.3	pg/g	JK	J	VJ	
SIB-SC-E22-7-8-08/09/2022	20480007	E1613B	TOTAL HpCDFs	816	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	252	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	216	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.68	pg/g	K	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.18	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.11	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.4	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.65	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.62	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.17	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.64	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.76	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	8.75	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.62	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	15.7	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	16	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.06	pg/g	K	DNR	EXC	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.21	pg/g	K	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	Heptachlorodibenzo-P-Dioxin	565	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	HEXACHLORODIBENZOFURAN	250	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	73.5	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	OCTACHLORODIBENZOFURAN	422	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	4110	pg/g				✓
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	PENTACHLORO DIBENZOFURAN	140	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	PENTACHLORODIBENSO-P-DIOXIN	23.9	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	88.6	pg/g	JK	J	VJ	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	TETRACHLORODIBENZO-P-DIOXIN	16.8	pg/g	JK	J	VJ	
SIB-SC-E22-8-9-08/09/2022	20480008	E1613B	TOTAL HpCDFs	613	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	64.5	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	54	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.5	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.74	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.38	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.05	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.839	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.576	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.39	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.09	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.82	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	4.1	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	Heptachlorodibenzo-P-Dioxin	160	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	HEXACHLORODIBENZOFURAN	56.5	pg/g	J			✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	23.8	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	OCTACHLORODIBENZOFURAN	49.2	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1210	pg/g				✓
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	PENTACHLORO DIBENZOFURAN	29.3	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.16	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14.9	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.13	pg/g	JK	J	VJ	
SIB-SC-E22-9-10-08/09/2022	20480009	E1613B	TOTAL HpCDFs	130	pg/g	J			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.9	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	45.8	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.37	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.02	pg/g	J			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.43	pg/g	J			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.678	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.88	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.65	pg/g	J			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.67	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.19	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	Heptachlorodibenzo-P-Dioxin	140	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	HEXACHLORODIBENZOFURAN	52.5	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	19.8	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	OCTACHLORODIBENZOFURAN	41.8	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1080	pg/g				✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	PENTACHLORO DIBENZOFURAN	26.9	pg/g	J			✓
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	PENTACHLORODIBENZO-P-DIOXIN	5.24	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.6	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.37	pg/g	JK	J	VJ	
SIB-SC-E22-10-11-08/09/2022	20480010	E1613B	TOTAL HpCDFs	110	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	48.5	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	35.4	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.22	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.7	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.29	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.6	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.56	pg/g	JK	J	VJ	
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	2.25	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.7	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	Heptachlorodibenzo-P-Dioxin	116	pg/g	J			✓

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Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	HEXACHLORODIBENZOFURAN	45.7	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	16.1	pg/g	J			✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	OCTACHLORODIBENZOFURAN	37.7	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	848	pg/g				✓
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	PENTACHLORO DIBENZOFURAN	24.2	pg/g	JK	J	VJ	
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	PENTACHLORODIBENSO-P-DIOXIN	5.13	pg/g	JK	J	VJ	
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.9	pg/g	JK	J	VJ	
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	3.72	pg/g	JK	J	VJ	
SIB-SC-E22-11-12-08/09/2022	20480011	E1613B	TOTAL HpCDFs	103	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	34.6	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	22.9	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.465	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.61	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.927	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.391	pg/g	J			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.33	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.11	pg/g	J			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.931	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	1.79	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	2.03	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	Heptachlorodibenzo-P-Dioxin	67.8	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	HEXACHLORODIBENZOFURAN	28.6	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	11.2	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	OCTACHLORODIBENZOFURAN	23.8	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	481	pg/g				✓
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	PENTACHLORO DIBENZOFURAN	13.8	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	PENTACHLORODIBENSO-P-DIOXIN	3.6	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.14	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	2.23	pg/g	JK	J	VJ	
SIB-SC-E22-12-13-08/09/2022	20480014	E1613B	TOTAL HpCDFs	68.3	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9.61	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.526	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.06	pg/g	J			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.444	pg/g	J			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.646	pg/g	J			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.588	pg/g	J			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.778	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	1.16	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	Heptachlorodibenzo-P-Dioxin	29.3	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	HEXACHLORODIBENZOFURAN	15.4	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	5.37	pg/g	J			✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	OCTACHLORODIBENZOFURAN	13.5	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	201	pg/g				✓
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	PENTACHLORO DIBENZOFURAN	7.13	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	1.03	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.33	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.836	pg/g	JK	J	VJ	
SIB-SC-E22-13-14-08/09/2022	20480015	E1613B	TOTAL HpCDFs	35.7	pg/g	JK	J	VJ	
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.411	pg/g	JK	J	VJ	
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0078	pg/g				✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	0.416	pg/g				✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	Heptachlorodibenzo-P-Dioxin	3	pg/g	J			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.872	pg/g	JK	J	VJ	
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.2	pg/g	B			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.214	pg/g	JK	J	VJ	
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-E22-14-15-08/09/2022	20480016	E1613B	TOTAL HpCDFs	0.411	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	64.8	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	53.8	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.46	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.39	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.492	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.34	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.9	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.973	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.446	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-32-08/09/2022	20480017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.04	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.67	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.1	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3.55	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-32-08/09/2022	20480017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-32-08/09/2022	20480017	E1613B	Heptachlorodibenzo-P-Dioxin	161	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	HEXACHLORODIBENZOFURAN	54.6	pg/g	J			✓
FD-32-08/09/2022	20480017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	24.3	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	OCTACHLORODIBENZOFURAN	52.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-32-08/09/2022	20480017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1180	pg/g				✓
FD-32-08/09/2022	20480017	E1613B	PENTACHLORO DIBENZOFURAN	27.3	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.67	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	13.3	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	4.19	pg/g	JK	J	VJ	
FD-32-08/09/2022	20480017	E1613B	TOTAL HpCDFs	135	pg/g	JK	J	VJ	



DATA VALIDATION REPORT

HGL – SWAN ISLAND BASIN

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SDG: 20483

May 16, 2023

Approved for Release:

A handwritten signature in black ink, appearing to read "Michela Hernandez". The signature is written in a cursive style and is positioned above a horizontal line.

Michela Hernandez
Senior Project Chemist
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report summarizes the results of compliance review (EPA Stage 2A) performed on sediment and quality control sample data for the Swan Island Basin project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Cape Fear Analytical LLC, Wilmington, North Carolina. The analytical methods and EcoChem project chemists are listed in the following table:

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins/Furans	E1613B	E. Clayton	A. Bodkin

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Uniform Federal Policy Quality Assurance Project Plan Revision 3, Remedial Design Services Swan Island Basin Project Area* (HGL, Pacific Groundwater Group, Mott MacDonald and Bridgewater Group, May 2022); *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA, November 2020).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned a DNR flag (do-not-report) or are rejected (R), the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions and reason codes are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets and project associated communications will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
Swan Island Basin

SDG	SAMPLE ID	LAB ID	MATRIX	Dioxins
20483	SIB-SC-B22-1-2-08/20/2022	20483001	SE	✓
20483	SIB-SC-B22-2-3-08/20/2022	20483002	SE	✓
20483	SIB-SC-B22-3-4-08/20/2022	20483005	SE	✓
20483	SIB-SC-B22-4-5-08/20/2022	20483006	SE	✓
20483	SIB-SC-B22-5-6-08/20/2022	20483007	SE	✓
20483	FD-47-08/20/2022	20483008	SE	✓
20483	SIB-SC-B18-0-1-08/20/2022	20483009	SE	✓
20483	SIB-SC-B18-1-2-08/20/2022	20483010	SE	✓
20483	SIB-SC-B18-2-3-08/20/2022	20483011	SE	✓
20483	SIB-SC-B18-3-4-08/20/2022	20483012	SE	✓
20483	SIB-SC-B18-4-5-08/20/2022	20483013	SE	✓
20483	SIB-SC-B18-5-6-08/20/2022	20483014	SE	✓
20483	SIB-SC-C20-1-2-08242022	20483015	SE	✓
20483	SIB-SC-C20-2-3-08242022	20483016	SE	✓
20483	SIB-SC-C20-3-4-08242022	20483017	SE	✓
20483	SIB-SC-C20-4-5-08242022	20483018	SE	✓
20483	SIB-SC-C20-5-6-08242022	20483019	SE	✓

DATA VALIDATION REPORT

HGL – Swan Island Basin

Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. All data received a compliance screening level of review (EPA Stage 2A). The samples were analyzed by Cape Fear Analytical, Wilmington, North Carolina. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
20483	17 Sediment	Stage 2A

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory QC were also verified (10% verification).

For five (5) samples, the date suffix in the sample ID is expressed as DDMMYYYY instead of DD/MM/YYYY in the "sample_name" field. All sample IDs in the "sys_sample_code" field match the chain-of-custody.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

✓	Sample Receipt, Preservation, and Holding Times	1	Certified Reference Material
2	Laboratory Blanks	1	Field Duplicates
1	Field Blanks	✓	Target Analyte List
✓	Labeled Compound Recovery	✓	Reporting Limits
✓	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	2	Compound Quantitation

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned K-flags to values when a peak was detected but did not meet identification criteria. These values are considered positive identifications which are "estimated maximum possible concentrations" or EMPC. When these occurred in the method blank the results were evaluated as positive results. When these occurred in the associated samples, any EMPC values that were less than the method blank action level were qualified as not detected (U).

Method blanks were analyzed at the appropriate frequency. The following field sample results were qualified as not detected:

CLIENT ID	ANALYTE	QUALIFIER
SIB-SC-B22-2-3-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B22-3-4-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
	1,2,3,4,7,8-HxCDF	U-MBL
	OCDF	U-MBL
SIB-SC-B22-4-5-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
FD-47-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B18-0-1-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B18-1-2-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B18-3-4-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
SIB-SC-B18-4-5-08/20/2022	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-B18-5-6-08/20/2022	1,2,3,4,6,7,8-HpCDF	U-MBL
	1,2,3,4,6,7,8-HpCDD	U-MBL
SIB-SC-C20-4-5-08/24/2022	1,2,3,7,8-PeCDD	U-MBL

Field Blanks

Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples. Based on review of the table of equipment blank associations, equipment blanks EB08-08212022 and EB09-08242022 are associated with the samples with results reported in this SDG; results for these EB were reported in CFA SDG 20283. EB08-08212022 and EB09-08242022 were not evaluated as SDG 20283 was not submitted to EcoChem for review.

Certified Reference Material

Puget Sound Sediment Reference Material was analyzed with this SDG. All acceptance criteria were met.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL.

One set of field replicates SIB-SC-B22-1-2-08/20/2022 and FD-47-08/20/2022, was submitted. Field precision was acceptable.

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF positive results when using the DB5 GC column for analysis. The DB5 column cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. Although the laboratory used a DB-5MS column which more adequately separates TCDF isomers, the laboratory still performed a second column confirmation on a DB-225 column when 2,3,7,8-TCDF was detected, and the concentration was greater than the reporting limit. Both sets of results were reported. The 2,3,7,8-TCDF results from the DB-5MS column were qualified do-not-report (DNR-EXC) in favor of the results from the DB-225 column.

For several samples, the laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes. These results were K-flagged by the laboratory. An EMPC value is reported when a peak was detected and met all identification criteria, as required by the method, except the ion abundance ratio criteria; therefore, the result is considered an estimated positive result for the analyte. To indicate that the reported result for an individual analyte is an estimated result, the EMPC values were qualified (J-VJ).

Compound Quantitation

The laboratory flagged sample results with an "E" flag indicating the sample results exceeded the calibrated linear range of the instrument. These results were estimated (J-ACR).

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed an acceptable modification of the specified analytical method. Accuracy was acceptable as demonstrated by the LCS/LCSD, labeled compound, SRM, and MS/MSD recoveries. Precision was also acceptable as indicated by the LCS/LCSD, MS/MSD and field duplicate RPD values.

Data were estimated to indicate that EMPC values are estimated maximum possible concentrations. Detection limits were elevated due to method blank contamination. Data were estimated due to calibration range exceedances.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any purpose.

All other data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS AND REASON CODES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
	Revision No.: 3
	Last Review Date: June 15, 2021
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ATTACHMENT E

Data Qualification Reason Codes

QC Element	Reason Code	Definition
Ambient Blank	ABH	Ambient blank result \geq limit of quantitation (LOQ)
Ambient Blank	ABHB	Result is judged to be biased high based on associated ambient blank result
Ambient Blank	ABL	Ambient blank result $<$ LOQ
Analyte Quantitation	ACR	Result above the upper end of the calibrated range
Analyte Quantitation	EXC	Result excluded; another data point for this analyte was selected for use (use with X-qualified results)
Analyte Quantitation	RTW	Target analyte outside retention time window
Analyte Quantitation	PSL	Solid matrix sample with percent solids less than 50%
Analyte Quantitation	PSLX	Solid matrix sample with percent solids less than 10%
Analyte Quantitation	TR	Result between the detection limit and LOQ
Calibration Blank	CBH	Initial or continuing calibration blank result \geq LOQ
Calibration Blank	CBHB	Result is judged to be biased high based on associated continuing calibration blank result
Calibration Blank	CBL	Initial or continuing calibration blank result $<$ LOQ
Calibration Blank	CBN	Negative initial or continuing calibration blank result with absolute value $<$ LOQ
Calibration Blank	CBNH	Negative initial or continuing calibration blank result with absolute value \geq LOQ
Continuing Calibration	CCCC	Calibration check compound did not meet percent difference (%D) criterion in continuing calibration standard
Continuing Calibration	CCVD	Continuing calibration standard did not meet %D criterion
Continuing Calibration	CRFL	Continuing calibration RRF below acceptance criterion
Continuing Calibration	CSPC	System performance check compound did not meet minimum RRF criterion in continuing calibration
Continuing Calibration	CVDX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Confirmation	CF	Confirmation precision exceeded acceptance criterion
Cyanide Method	DSH	High-level distillation standard did not meet %D criterion
Cyanide Method	DSL	Low-level distillation standard did not meet %D criterion
Equipment Blank	EBH	Equipment blank result \geq LOQ
Equipment Blank	EBHB	Result is judged to be biased high based on associated equipment blank result
Equipment Blank	EBL	Equipment blank result $<$ LOQ
Field Duplicate	FDPA	Field duplicate results did not meet absolute difference criterion
Field Duplicate	FDPR	Field duplicate results did not meet RPD criterion
Holding Time	HTA	Analytical holding time exceeded
Holding Time	HTAX	Analytical holding time exceeded, extreme discrepancy
Holding Time	HTP	Preparation holding time exceeded
Holding Time	HTPX	Preparation holding time exceeded, extreme discrepancy
Initial Calibration	ICCC	Calibration check compound did not meet percent relative standard deviation (%RSD) criterion in initial calibration

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
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**ATTACHMENT E (continued)
Data Qualification Reason Codes**

QC Element	Reason Code	Definition
Initial Calibration	ICLS	Initial calibration low-level standard >LOQ
Initial Calibration	ICR2	Initial calibration r^2 below acceptance criterion
Initial Calibration	ICRD	Initial calibration %RSD above acceptance criterion
Initial Calibration	ICRX	Initial calibration %RSD above acceptance criterion, extreme discrepancy
Initial Calibration	IRFL	Initial calibration RRF below acceptance criterion
Initial Calibration	ISPC	System performance check compound did not meet minimum mean RRF criterion in initial calibration
Initial Calibration	LQSH	LOQ check standard above acceptance criteria
Initial Calibration	LQSL	LOQ check standard below acceptance criteria
Initial Calibration	SSVD	Second-source standard did not meet %D criterion
Initial Calibration Verification	ICVD	Continuing calibration standard did not meet %D criterion
Initial Calibration Verification	ICVX	Continuing calibration standard did not meet %D criterion, extreme discrepancy
Interference Check Standard	ICAH	Non-spiked concentration above acceptance criterion in ICSA
Interference Check Standard	ICAN	Negative concentration with absolute value above acceptance criterion in ICSA
Interference Check Standard	ICHX	Non-spiked concentration above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICNX	Negative concentration with absolute value above acceptance criterion in ICSA, extreme discrepancy
Interference Check Standard	ICSH	ICSA or ICSAB spiked analyte with high percent recovery (%R)
Interference Check Standard	ICSL	ICSA or ICSAB spiked analyte with low %R
Internal Standards	IRH	Internal standard peak area above upper limit
Internal Standards	IRL	Internal standard peak area below lower limit
Internal Standards	IRLX	Internal standard peak area below lower limit, extreme discrepancy
Internal Standards	ISRT	Internal standard retention time outside window
Labeled Standards	LSH	Labeled standard %R above acceptance criterion
Labeled Standards	LSL	Labeled standard %R below acceptance criterion
Labeled Standards	LSLX	Labeled standard %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCLX	LCS and/or LCSD %R below acceptance criterion, extreme discrepancy
Laboratory Control Sample	LCSH	LCS and/or LCSD %R above acceptance criterion
Laboratory Control Sample	LCSL	LCS and/or LCSD %R below acceptance criterion
Laboratory Control Sample	LCSP	LCS/LCSD RPD above acceptance criterion
Laboratory Duplicate	LDPA	Laboratory duplicate results did not meet absolute difference criterion
Laboratory Duplicate	LDPR	Laboratory duplicate results did not meet RPD criterion

Data Validation, U.S. EPA/DoD Stage 2A and Stage 2B	Document No.: HGL SOP 412.501 (formerly 4.09)
	Process Category: Services
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QC Element	Reason Code	Definition
Low-Level Calibration Check	LLCH	Low-level calibration check above the upper limit
Low-Level Calibration Check	LLCL	Low-level calibration check below the lower limit
Low-Level Calibration Check	LLXL	Low-level calibration check below the lower limit, extreme discrepancy
Method Blank	MBH	Method blank result \geq LOQ
Method Blank	MBHB	Result is judged to be biased high based on associated method blank result
Method Blank	MBL	Method blank result $<$ LOQ
Matrix Spike	MSH	MS and/or MSD %R above acceptance criterion
Matrix Spike	MSL	MS and/or MSD %R below acceptance criterion
Matrix Spike	MSLX	MS and/or MSD %R below acceptance criterion, extreme discrepancy
Matrix Spike	MSP	MS/MSD RPD above acceptance criterion
Post-Digestion Spike	PDH	Post-digestion spike recovery high
Post-Digestion Spike	PDL	Post-digestion spike recovery low
Post-Digestion Spike	PDLX	Post-digestion spike recovery low, extreme discrepancy
Post-Digestion Spike	PDN	Post-digestion spike not performed or not applicable and serial dilution result not performed or not applicable
Sample Delivery and Condition	BUB	Bubbles $>$ 5 millimeters in volatile organic compounds vial
Sample Delivery and Condition	DAM	Sample container damaged
Sample Delivery and Condition	PRE	Sample not properly preserved
Sample Delivery and Condition	TEMP	Sample received at elevated temperature
Sample Delivery and Condition	TMPX	Sample received at elevated temperature, extreme discrepancy
Serial Dilution	SDIL	Serial dilution did not meet %D criterion
Serial Dilution	SDN	Serial dilution not performed
Surrogate	SSH	Surrogate %R high
Surrogate	SSL	Surrogate %R low
Surrogate	SSLX	Surrogate %R low, extreme discrepancy
Surrogate	SSN	Surrogate compound not spiked into sample
Trip Blank	TBH	Trip blank result \geq LOQ
Trip Blank	TBL	Trip blank result $<$ LOQ
Validator Judgment	VJ	Validator judgment (see validation narrative)

ICS = interference check sample
 MS = matrix spike
 MSD = matrix spike duplicate
 QC = quality control
 RPD = relative percent difference
 RRF = relative response factor



ECO-CHEM
Data Quality

APPENDIX B

QUALIFIED DATA SUMMARY TABLE

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0038	pg/g				✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	Heptachlorodibenzo-P-Dioxin	3.28	pg/g	BJK	J	VJ	
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	HEXACHLORODIBENZO-P-DIOXIN	0.822	pg/g	JK	J	VJ	
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	OCTACHLORODIBENZO-P-DIOXIN	12.5	pg/g	BK	J	VJ	
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.775	pg/g				✓
SIB-SC-B22-1-2-08/20/2022	20483001	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.35	pg/g	BJK	U	MBL	
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.51	pg/g	JK	J	VJ	
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0564	pg/g				✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	Heptachlorodibenzo-P-Dioxin	10.7	pg/g	JK	J	VJ	
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	HEXACHLORODIBENZOFURAN	0.318	pg/g	BJK	J	VJ	
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.53	pg/g	J			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	OCTACHLORODIBENZO-P-DIOXIN	26.2	pg/g				✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.739	pg/g				✓
SIB-SC-B22-2-3-08/20/2022	20483002	E1613B	TOTAL HpCDFs	0.35	pg/g	BJK	J	VJ	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.317	pg/g	BJK	U	MBL	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.59	pg/g	BJ	U	MBL	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,4,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.152	pg/g	BJK	U	MBL	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.265	pg/g	J			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0656	pg/g				✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	Heptachlorodibenzo-P-Dioxin	4.43	pg/g	J			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	HEXACHLORODIBENZOFURAN	0.344	pg/g	BJK	J	VJ	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.8	pg/g	J			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	OCTACHLORODIBENZOFURAN	0.348	pg/g	BJK	U	MBL	

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	OCTACHLORODIBENZO-P-DIOXIN	15.5	pg/g				✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	PENTACHLORO DIBENZOFURAN	0.103	pg/g	BJK	J	VJ	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.459	pg/g	BJK	J	VJ	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.633	pg/g	JK	J	VJ	
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.332	pg/g				✓
SIB-SC-B22-3-4-08/20/2022	20483005	E1613B	TOTAL HpCDFs	0.317	pg/g	BJK	J	VJ	
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.203	pg/g	BJK	U	MBL	
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.34	pg/g	BJ			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0324	pg/g				✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	Heptachlorodibenzo-P-Dioxin	5.83	pg/g	J			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.08	pg/g	JK	J	VJ	
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	OCTACHLORODIBENZO-P-DIOXIN	23.5	pg/g				✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.336	pg/g	BJ			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.942	pg/g	JK	J	VJ	
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.494	pg/g				✓
SIB-SC-B22-4-5-08/20/2022	20483006	E1613B	TOTAL HpCDFs	0.203	pg/g	BJK	J	VJ	
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.79	pg/g	BJ			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0349	pg/g				✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	Heptachlorodibenzo-P-Dioxin	6.62	pg/g	JK	J	VJ	
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.98	pg/g	J			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	OCTACHLORODIBENZO-P-DIOXIN	23.1	pg/g	K	J	VJ	
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.598	pg/g	J			✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.612	pg/g				✓
SIB-SC-B22-5-6-08/20/2022	20483007	E1613B	TOTAL HpCDFs		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.39	pg/g	BJ	U	MBL	
FD-47-08/20/2022	20483008	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
FD-47-08/20/2022	20483008	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.009	pg/g				✓
FD-47-08/20/2022	20483008	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	Heptachlorodibenzo-P-Dioxin	4.98	pg/g	JK	J	VJ	
FD-47-08/20/2022	20483008	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.72	pg/g	JK	J	VJ	
FD-47-08/20/2022	20483008	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	OCTACHLORODIBENZO-P-DIOXIN	16.9	pg/g	K	J	VJ	
FD-47-08/20/2022	20483008	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
FD-47-08/20/2022	20483008	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.702	pg/g				✓
FD-47-08/20/2022	20483008	E1613B	TOTAL HpCDFs	0.39	pg/g	BJ			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.6	pg/g	BJ	U	MBL	
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.172	pg/g				✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	Heptachlorodibenzo-P-Dioxin	29	pg/g				✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	HEXACHLORODIBENZOFURAN	1.32	pg/g	BJK	J	VJ	
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.88	pg/g	J			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	OCTACHLORODIBENZOFURAN	6.05	pg/g	BJ			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	OCTACHLORODIBENZO-P-DIOXIN	96.1	pg/g				✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	PENTACHLORO DIBENZOFURAN	0.749	pg/g	BJK	J	VJ	
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.842	pg/g	JK	J	VJ	
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.781	pg/g				✓
SIB-SC-B18-0-1-08/20/2022	20483009	E1613B	TOTAL HpCDFs	5.36	pg/g	J			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.05	pg/g	BJK	U	MBL	
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	9.43	pg/g				✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.126	pg/g				✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	Heptachlorodibenzo-P-Dioxin	33.6	pg/g				✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	HEXACHLORODIBENZOFURAN	0.288	pg/g	BJK	J	VJ	
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	HEXACHLORODIBENZO-P-DIOXIN	2.78	pg/g	JK	J	VJ	
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	OCTACHLORODIBENZOFURAN	3.44	pg/g	BJ			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	OCTACHLORODIBENZO-P-DIOXIN	68.8	pg/g				✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	PENTACHLORO DIBENZOFURAN	0.261	pg/g	BJK	J	VJ	
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.318	pg/g	BJK	J	VJ	
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.957	pg/g	J			✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.781	pg/g				✓
SIB-SC-B18-1-2-08/20/2022	20483010	E1613B	TOTAL HpCDFs	3.27	pg/g	BJK	J	VJ	
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.93	pg/g	BJ			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.035	pg/g				✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	Heptachlorodibenzo-P-Dioxin	7.47	pg/g	J			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.1	pg/g	JK	J	VJ	
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	OCTACHLORODIBENZO-P-DIOXIN	19	pg/g				✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.584	pg/g	JK	J	VJ	
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.907	pg/g				✓
SIB-SC-B18-2-3-08/20/2022	20483011	E1613B	TOTAL HpCDFs	0.367	pg/g	BJK	J	VJ	
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.291	pg/g	BJ	U	MBL	
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.08	pg/g	BJ			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0294	pg/g				✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	Heptachlorodibenzo-P-Dioxin	6.16	pg/g	J			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.79	pg/g	J			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	OCTACHLORODIBENZO-P-DIOXIN	18.9	pg/g				✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.242	pg/g	BJ			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.798	pg/g	JK	J	VJ	
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.443	pg/g				✓
SIB-SC-B18-3-4-08/20/2022	20483012	E1613B	TOTAL HpCDFs	0.291	pg/g	BJ			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.05	pg/g	BJ	U	MBL	
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0127	pg/g				✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	Heptachlorodibenzo-P-Dioxin	2.99	pg/g	BJ			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1	pg/g	JK	J	VJ	
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7.33	pg/g	BJ			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	PENTACHLORODIBENSO-P-DIOXIN	0.52	pg/g	BJK	J	VJ	
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.567	pg/g	JK	J	VJ	
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.345	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-B18-4-5-08/20/2022	20483013	E1613B	TOTAL HpCDFs		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.211	pg/g	BJ	U	MBL	
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.37	pg/g	BJ	U	MBL	
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.189	pg/g	JK	J	VJ	
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	0.0378	pg/g				✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	Heptachlorodibenzo-P-Dioxin	4.16	pg/g	J			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	HEXACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	HEXACHLORODIBENZO-P-DIOXIN	1.41	pg/g	JK	J	VJ	
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	OCTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	OCTACHLORODIBENZO-P-DIOXIN	10.2	pg/g	B			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	PENTACHLORO DIBENZOFURAN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	PENTACHLORODIBENSO-P-DIOXIN		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)		pg/g	U			✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	TETRACHLORODIBENZO-P-DIOXIN	0.677	pg/g	JK	J	VJ	
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	0.409	pg/g				✓
SIB-SC-B18-5-6-08/20/2022	20483014	E1613B	TOTAL HpCDFs	0.211	pg/g	BJ			✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	252	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	825	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	23.3	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	42.2	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.56	pg/g	J			✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.26	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	24.6	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	6.05	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	9.26	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.19	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.55	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.9	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.55	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.7	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	4.41	pg/g	K	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.84	pg/g		DNR	EXC	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.898	pg/g	K	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	Heptachlorodibenzo-P-Dioxin	1650	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	HEXACHLORODIBENZOFURAN	362	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	HEXACHLORODIBENZO-P-DIOXIN	165	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	OCTACHLORODIBENZOFURAN	707	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	OCTACHLORODIBENZO-P-DIOXIN	8440	pg/g	E	J	ACR	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	PENTACHLORO DIBENZOFURAN	76.4	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	PENTACHLORODIBENZO-P-DIOXIN	21.7	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25.3	pg/g	K	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	TETRACHLORODIBENZO-P-DIOXIN	13.2	pg/g	JK	J	VJ	
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	30.7	pg/g				✓
SIB-SC-C20-1-2-08/24/2022	20483015	E1613B	TOTAL HpCDFs	997	pg/g	J			✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	201	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	674	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.1	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	36.4	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	20.1	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	7.83	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	8.42	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.98	pg/g	J			✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.4	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.28	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	24	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.86	pg/g	K	DNR	EXC	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	3.6	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.578	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	Heptachlorodibenzo-P-Dioxin	1310	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	HEXACHLORODIBENZOFURAN	317	pg/g	JK	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	HEXACHLORODIBENZO-P-DIOXIN	144	pg/g	JK	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	OCTACHLORODIBENZOFURAN	740	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	OCTACHLORODIBENZO-P-DIOXIN	7570	pg/g	E	J	ACR	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	PENTACHLORO DIBENZOFURAN	70.3	pg/g	JK	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	PENTACHLORODIBENSO-P-DIOXIN	12.4	pg/g	J			✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	30.4	pg/g	K	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	TETRACHLORODIBENZO-P-DIOXIN	10.8	pg/g	JK	J	VJ	
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	25.5	pg/g				✓
SIB-SC-C20-2-3-08/24/2022	20483016	E1613B	TOTAL HpCDFs	899	pg/g	K	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	86.1	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	374	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.8	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.24	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	13.8	pg/g	K	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.2	pg/g	J			✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.72	pg/g	K	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN		pg/g	U			✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.34	pg/g	BJK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.25	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.56	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	13.1	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1.65	pg/g	K	DNR	EXC	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.34	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.49	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	Heptachlorodibenzo-P-Dioxin	726	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	HEXACHLORODIBENZOFURAN	123	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	HEXACHLORODIBENZO-P-DIOXIN	82.2	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	OCTACHLORODIBENZOFURAN	229	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	OCTACHLORODIBENZO-P-DIOXIN	3940	pg/g				✓
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	PENTACHLORO DIBENZOFURAN	15.4	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	PENTACHLORODIBENSO-P-DIOXIN	11.4	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	27.4	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	TETRACHLORODIBENZO-P-DIOXIN	6.05	pg/g	JK	J	VJ	
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	13.3	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C20-3-4-08/24/2022	20483017	E1613B	TOTAL HpCDFs	318	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	18.2	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	99.2	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.38	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.65	pg/g	BJ			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.539	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.32	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.32	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.741	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.6	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.539	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.477	pg/g	BJ	U	MBL	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.24	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.966	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	3.47	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0.555	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		pg/g	U			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	Heptachlorodibenzo-P-Dioxin	206	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	HEXACHLORODIBENZOFURAN	28.1	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	HEXACHLORODIBENZO-P-DIOXIN	28.3	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	OCTACHLORODIBENZOFURAN	54	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	OCTACHLORODIBENZO-P-DIOXIN	1300	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	PENTACHLORO DIBENZOFURAN	14	pg/g	J			✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	PENTACHLORODIBENSO-P-DIOXIN	4.97	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	6.49	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	TETRACHLORODIBENZO-P-DIOXIN	1.12	pg/g	JK	J	VJ	
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	3.56	pg/g				✓
SIB-SC-C20-4-5-08/24/2022	20483018	E1613B	TOTAL HpCDFs	69.1	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	175	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	786	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	14.2	pg/g	K	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.8	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.8	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.3	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	26.5	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.74	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.5	pg/g				✓

**Qualified Data Summary Table
Swan Island Basin**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB FLAG	DV QUALIFIER	DV REASON	No DV Qualification Required
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.92	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.75	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	11.1	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.46	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	30.3	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2.4	pg/g	K	DNR	EXC	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.01	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.85	pg/g	K	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	Heptachlorodibenzo-P-Dioxin	1700	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	HEXACHLORODIBENZOFURAN	249	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	HEXACHLORODIBENZO-P-DIOXIN	214	pg/g	J			✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	OCTACHLORODIBENZOFURAN	588	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	OCTACHLORODIBENZO-P-DIOXIN	13100	pg/g	E	J	ACR	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	PENTACHLORO DIBENZOFURAN	97.2	pg/g	JK	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	PENTACHLORODIBENSO-P-DIOXIN	37.1	pg/g	JK	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	65.4	pg/g	JK	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	TETRACHLORODIBENZO-P-DIOXIN	20.2	pg/g	JK	J	VJ	
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	Total Dioxin/Furan TEQ 1998 (Avian) (Calculated U = 1/2)	30.3	pg/g				✓
SIB-SC-C20-5-6-08/24/2022	20483019	E1613B	TOTAL HpCDFs	673	pg/g	K	J	VJ	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

SDG: 20484
 Laboratory: Cape Fear Analytical
 Validator: Ken Rapuano, HGL
 Validation Date: 8.15.23

In addition to the qualifiers assigned below, all detected results <PQL retain the J qualifier assigned by the laboratory. All non-standard qualifiers assigned by the laboratory are removed and are not included as the final qualifier.

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-D12-1-2-08/02/2022 (20484001)	PCB-184	11.3	J	U	U	EBL
SIB-SC-D12-2-3-08/02/2022 (20484002)	PCB-011	82.7	BJK	UJ	UJ	EMPC,MBL
	PCB-184	15.6	J	U	U	EBL
SIB-SC-D12-3-4-08/02/2022 (20484003)	PCB-011	89.2	BJ	U	U	MBL
	PCB-184	12.3	JK	UJ	UJ	EMPC,EBL
SIB-SC-D12-4-5-08/02/2022 (20484004)	PCB-008	56.6	J	U	U	EBL
	PCB-016	41.5	J	U	U	EBL
	PCB-018/030	113	CJ	U	U	EBL
SIB-SC-D12-5-6-08/02/2022 (20484005)	PCB-001	6.95	JK	UJ	UJ	EMPC,MBL
	PCB-016	9.48	JK	UJ	UJ	EMPC,EBL
	PCB-017	20.4	J	U	U	EBL
	PCB-018/030	27	BCJ	U	U	EBL
	PCB-019	15.2	BJK	UJ	UJ	EMPC,MBL,EBL
	PCB-032	17.7	BJK	UJ	UJ	EMPC,MBL,EBL
	PCB-077	10.9	BJK	UJ	UJ	EMPC,MBL
SIB-SC-E13-1-2-08/03/2022 (20484006)	No qualification required					
FD-24-08/03/2022 (20484007)	PCB-011	120	BJ	U	U	MBL
	PCB-020/028	6700	C	J	J	FDPR
	PCB-021/033	2360	C	J	J	FDPR
	PCB-025	517		J	J	FDPA
	PCB-026/029	942	C	J	J	FDPA
	PCB-031	4040		J	J	FDPR
	PCB-032	837		J	J	FDPA
	PCB-043	411		J	J	FDPA
PCB-045/051	1260	C	J	J	FDPA	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
FD-24-08/03/2022 (20484007) (continued)	PCB-050/053	963	C	J	J	FDPA
	PCB-055	14.3	U	UJ	UJ	FDPA
	PCB-073	5.81	U	UJ	UJ	FDPA
	PCB-122	835		J	J	FDPA
	PCB-144	2000		J	J	FDPR
	PCB-146	20.4	U	UJ	UJ	FDPA
	PCB-161	11900		J	J	FDPA
	PCB-184	14.7	J	U	U	EBL
SIB-SC-E13-2-3-08/03/2022 (20484008)	PCB-020/028	11200	C	J	J	FDPR
	PCB-021/033	5090	C	J	J	FDPR
	PCB-025	1110		J	J	FDPA
	PCB-026/029	1770	C	J	J	FDPA
	PCB-031	7400		J	J	FDPR
	PCB-032	1770		J	J	FDPA
	PCB-043	872		J	J	FDPA
	PCB-045/051	2400	C	J	J	FDPA
	PCB-050/053	2150	C	J	J	FDPA
	PCB-055	580	J	J	J	FDPA
	PCB-073	442	J	J	J	FDPA
	PCB-122	1440		J	J	FDPA
	PCB-144	3590		J	J	FDPR
	PCB-146	15800		J	J	FDPA
	PCB-161	98.7	U	UJ	UJ	FDPA
SIB-SC-E13-3-4-08/03/2022 (20484009)	PCB-001	613	J	J	J	MSL
	PCB-002	60.4	JK	J	J	EMPC,MSLX
	PCB-004	2620	J	J	J	MSLX
	PCB-005	300	U	UJ	UJ	MSLX
	PCB-006	898	JK	J	J	EMPC,MSLX
	PCB-007	263	U	UJ	UJ	MSLX
	PCB-008	3910		J	J	MSLX
	PCB-009	301	U	UJ	UJ	MSLX
	PCB-010	187	U	UJ	UJ	MSLX
	PCB-011	308	U	UJ	UJ	MSLX
	PCB-012/013	284	CU	UJ	UJ	MSLX

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-E13-3-4-08/03/2022 (20484009) (continued)	PCB-014	284	U	UJ	UJ	MSLX
	PCB-015	1430	J	J	J	MSLX
	PCB-016	3100		J	J	MSLX
	PCB-017	3890		J	J	MSLX
	PCB-018/030	8170	C	J	J	MSLX
	PCB-019	1180	J	J	J	MSLX
	PCB-020/028	11500	C	J	J	MSLX
	PCB-021/033	6790	C	J	J	MSLX
	PCB-022	3640		J	J	MSLX
	PCB-023	70.2	U	UJ	UJ	MSLX
	PCB-024	162	JK	J	J	EMPC,MSLX
	PCB-025	1040	J	J	J	MSLX
	PCB-026/029	2060	CJ	J	J	MSLX
	PCB-027	675	J	J	J	MSLX
	PCB-031	11600		J	J	MSLX
	PCB-032	2400		J	J	MSLX
	PCB-034	88.7	JK	J	J	EMPC,MSLX
	PCB-035	187	J	J	J	MSLX
	PCB-036	156	U	UJ	UJ	MSLX
	PCB-037	3070		J	J	MSLX
	PCB-038	151	U	UJ	UJ	MSLX
	PCB-039	194	U	UJ	UJ	MSLX
	PCB-040/071	13200	C	J	J	MSLX
	PCB-041	943	J	J	J	MSLX
	PCB-042	6980		J	J	MSLX
	PCB-043	3930		J	J	MSLX
	PCB-044/047/065	99600	C	J	J	MSLX
	PCB-045/051	3650	C	J	J	MSLX
	PCB-046	1170	J	J	J	MSLX
	PCB-048	4410		J	J	MSLX
	PCB-049/069	48900	C	J	J	MSLX
	PCB-050/053	6000	C	J	J	MSLX
	PCB-052	304000		J	J	MSLX
PCB-055	1050	JK	J	J	EMPC,MSLX	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-E13-3-4-08/03/2022 (20484009) (continued)	PCB-056	18600		J	J	MSLX
	PCB-057	277	U	UJ	UJ	MSLX
	PCB-058	411	JK	J	J	EMPC,MSLX
	PCB-059	1820	CJ	J	J	MSLX
	PCB-060	7230		J	J	MSLX
	PCB-061/070/074/076	199000	C	J	J	MSLX
	PCB-063	1650		J	J	MSLX
	PCB-064	25200		J	J	MSLX
	PCB-066	49500		J	J	MSLX
	PCB-067	522	J	J	J	MSLX
	PCB-068	496	JK	J	J	EMPC,MSLX
	PCB-072	676	J	J	J	MSLX
	PCB-073	3720		J	J	MSLX
	PCB-077	4130		J	J	MSLX
	PCB-078	345	U	UJ	UJ	MSLX
	PCB-079	272	U	UJ	UJ	MSLX
	PCB-080	248	U	UJ	UJ	MSLX
	PCB-082	51800		J	J	MSLX
	PCB-083	27100		J	J	MSLX
	PCB-084	117000		J	J	MSLX
	PCB-085/0116/0117	59500	C	J	J	MSLX
	PCB-086/087/097/0109/0119/0125	303000	C	J	J	MSLX
	PCB-088/091	55200	C	J	J	MSLX
	PCB-089	2710		J	J	MSLX
	PCB-090/0101/0113	462000	C	J	J	MSLX
	PCB-092	93100		J	J	MSLX
	PCB-093/0100	3020	CJ	J	J	MSLX
	PCB-094	1190	J	J	J	MSLX
	PCB-095	445000		J	J	MSLX
	PCB-096	2110		J	J	MSLX
	PCB-098/0102	8640	C	J	J	MSLX
	PCB-099	176000		J	J	MSLX
PCB-103	2720		J	J	MSLX	
PCB-105	155000		J	J	MSP	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-E13-3-4-08/03/2022 (20484009) (continued)	PCB-106	335	U	UJ	UJ	MSLX
	PCB-107	22900		J	J	MSLX
	PCB-108/124	15400	C	J	J	MSLX
	PCB-110/115	510000	C	J	J	MSLX
	PCB-111	384	U	UJ	UJ	MSLX
	PCB-112	258	U	UJ	UJ	MSLX
	PCB-120	596	J	J	J	MSLX
	PCB-121	278	U	UJ	UJ	MSLX
	PCB-122	8230		J	J	MSLX
	PCB-123	4790		J	J	MSLX
	PCB-126	3970		J	J	MSLX
	PCB-127	749	J	J	J	MSLX
	PCB-128/166	69500	C	J	J	MSLX
	PCB-129/138/163	442000	C	J	J	MSLX
	PCB-130	27700		J	J	MSLX
	PCB-131	6820		J	J	MSLX
	PCB-132	146000		J	J	MSLX
	PCB-133	5760		J	J	MSLX
	PCB-134	26500		J	J	MSLX
	PCB-135/151	108000	C	J	J	MSLX
	PCB-136	52900		J	J	MSLX
	PCB-137	23500		J	J	MSLX
	PCB-139/140	7850	C	J	J	MSLX
	PCB-141	61900		J	J	MSLX
	PCB-142	459	U	UJ	UJ	MSLX
	PCB-143	2820		J	J	MSLX
	PCB-144	18000		J	J	MSLX
	PCB-145	247	JK	J	J	EMPC,MSLX
	PCB-146	48200		J	J	MSLX
	PCB-147/149	273000	C	J	J	MSLX
	PCB-148	638	J	J	J	MSLX
	PCB-150	571	J	J	J	MSLX
PCB-152	418	J	J	J	MSLX	
PCB-153/168	270000	C	J	J	MSLX	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-E13-3-4-08/03/2022 (20484009) (continued)	PCB-154	4380		J	J	MSLX
	PCB-158	40700		J	J	MSLX
	PCB-159	237	U	UJ	UJ	MSLX
	PCB-160	305	U	UJ	UJ	MSLX
	PCB-161	296	U	UJ	UJ	MSLX
	PCB-162	1090	J	J	J	MSLX
	PCB-164	25400		J	J	MSLX
	PCB-165	328	U	UJ	UJ	MSLX
	PCB-170	48600		J	J	MSLX
	PCB-171/173	16300	C	J	J	MSLX
	PCB-172	8720		J	J	MSLX
	PCB-174	43400		J	J	MSLX
	PCB-175	2610		J	J	MSLX
	PCB-176	6900		J	J	MSLX
	PCB-177	27600		J	J	MSLX
	PCB-178	10600		J	J	MSLX
	PCB-179	18900		J	J	MSLX
	PCB-180/193	101000	C	J	J	MSLX
	PCB-181	781	J	J	J	MSLX
	PCB-182	593	J	J	J	MSLX
	PCB-183/185	36500	C	J	J	MSLX
	PCB-184	70.7	J	J	J	MSLX
	PCB-186	73.3	U	UJ	UJ	MSLX
	PCB-187	58900		J	J	MSLX
	PCB-189	2040		J	J	MSLX
	PCB-190	9660		J	J	MSLX
	PCB-191	2320		J	J	MSLX
	PCB-192	140	U	UJ	UJ	MSLX
	PCB-194	21900		J	J	MSLX
	PCB-195	8810		J	J	MSLX
PCB-196	14400		J	J	MSLX	
PCB-197/200	4880	C	J	J	MSLX	
PCB-198/199	27500	C	J	J	MSLX	
PCB-201	3620		J	J	MSLX	

**Attachment A – Qualification Summary Table
PCB Congeners by Method 1668C**

Sample ID	Analyte	Conc ¹	Lab Qual	Val Qual	Final Qual ²	Reason Codes ³
SIB-SC-E13-3-4-08/03/2022 (20484009) (continued)	PCB-202	5620		J	J	MSLX
	PCB-203	18500		J	J	MSLX
	PCB-204	50.5	U	UJ	UJ	MSLX
	PCB-205	1410	J	J	J	MSL
	PCB-207	1530		J	J	MSLX
	PCB-208	3020		J	J	MSLX
	PCB-209	3360		J	J	MSL,MSP
SIB-SC-E13-4-5-08/03/2022 (20484010)	PCB-004	150	J	U	U	EBL
	PCB-008	110	JK	UJ	UJ	EMPC,EBL
	PCB-011	97.4	BJK	UJ	UJ	EMPC,MBL
SIB-SC-E13-5-6-08/03/2022 (20484011)	PCB-008	182	K	UJ	UJ	EMPC,EBL
All samples	All results not otherwise listed above that are indicated as EMPCs			J	J	EMPC

¹ All concentrations in pg/g

² Where multiple qualifiers are applied to a result, the priority for assigning the final qualifier is as follows:

Detected Results: R > J > no qualifier

Non-detected results: R > UJ > U

³ Reason Code Definitions:

EBL = Analyte detected below the PQL in the associated equipment blank

EMPC = Analyte identified as an EMPC; all identification criteria met except IAR

FDPA = Absolute difference criterion not met in field duplicate results <5x PQL

FDPR = RPD criterion not met in field duplicate results ≥5x PQL

MBH = Analyte detected above the PQL in the associated method blank

MBL = Analyte detected below the PQL in the associated method blank

MSL = Analyte detected below the lower control limit in the associated MS and/or MSD

MSLX = Analyte detected below the lower control limit in the associated MS and/or MSD; extreme discrepancy

MSP = MS/MSD precision did not meet criteria

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
 PCB Congeners (EPA Method 1668C)
 EPA Stage 4 Review

Site: PHSS-Swan Island Basin	SDG #: 20484
Laboratory: Cape Fear Analytical (CFA)	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: Ken Rapuano	Validation Date: 08.13.23
HGL Peer Reviewer: Joseph Vilain (2b) Jennifer Chandler	Peer Review Date: 2b (10/9/23) L4 04/10/2023

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D12-1-2-08/02/2022	20484001	Sediment
SIB-SC-D12-2-3-08/02/2022	20484002	Sediment
SIB-SC-D12-3-4-08/02/2022	20484003	Sediment
SIB-SC-D12-4-5-08/02/2022	20484004	Sediment
SIB-SC-D12-5-6-08/02/2022	20484005	Sediment
SIB-SC-E13-1-2-08/03/2022	20484006	Sediment
FD-24-08/03/2022	20484007	Sediment
SIB-SC-E13-2-3-08/03/2022	20484008	Sediment
SIB-SC-E13-3-4-08/03/2022	20484009	Sediment
SIB-SC-E13-3-4-08/03/2022MS	20484010	Sediment MS
SIB-SC-E13-3-4-08/03/2022SD	20484011	Sediment MSD
SIB-SC-E13-4-5-08/03/2022	20484012	Sediment
SIB-SC-E13-5-6-08/03/2022	20484013	Sediment

CFA performed analyses for polychlorinated biphenyl (PCB) congeners by EPA Method 1668C on sediment samples collected August 2 and 3, 2022. Analyses were performed in accordance with the project Quality Assurance Project Plan (HGL, 2022).

The data were validated in accordance with the following documents:

- Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), Revision 3; Remedial Design Services, Swan Island Basin Project Area, CERCLA Docket No. 10-2021-001, Portland Harbor Superfund Site Portland, Multnomah County, Oregon (HGL, 2022)
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (NFG) (EPA, 2020)
- HGL SOP HGL SOP 412.501 – Data Validation, U.S. EPA Stage 2A and Stage 2B (HGL, 2021)

In some cases, the calibration criteria presented in the QAPP did not correspond to the criteria presented in the laboratory analytical SOPs. In these cases, the laboratory criteria were used to evaluate calibration performance.

The qualifiers defined in Table 1 of EPA, 2020 have been applied to any results requiring qualification as described in this data validation report; the historical site data set uses only the J qualifier for estimated results (ie, does not include the directional J+ and J- qualifiers) and this convention was retained in this DV report. The qualifiers have also been applied as the final qualifier to the electronic data deliverable (EDD) file provided by the laboratory. Any non-standard qualifiers and informational flags reported by the laboratory in the laboratory qualifier field of this EDD are not included in the final qualifier field. A qualification summary table is provided at the end of this report as Attachment A.

In the text of the data validation report, assigned qualifiers are presented in the format “[qualifier]-[reason code(s)]” for ease of description. When presented in tabular format, the qualifier and the reason codes are presented in the columns named as presented in the EDD. The HGL data validation SOP does not include

a reason code for ion abundance ratio discrepancies in labeled standards or for analyte results reported as estimated potential maximum concentrations (EMPCs); the reason codes IAR and EMPC are used, respectively, where applicable.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. Although no issues were noted initially, during review it was discovered that the column resolution check results for standard d03jan23a_3-2 were missing from the data report. This information was requested from the laboratory and supplied as a separate pdf.

Qualification: None required.

Sample Delivery and Condition – The samples arrived at the laboratory in acceptable condition and temperature. All samples were collected on August 2 and 3, 2022. The samples were shipped on September 16, 2022 and arrived at the laboratory on September 19, 2022. Per the field team leader, the samples were stored at a commercial frozen storage facility before shipping and were transported to the laboratory in a freezer truck. All samples arrived at the laboratory frozen at temperatures of –11.1 or –11.9 °C.

Qualification: None required.

Holding Times – All samples were extracted within the 1-year holding time from collection; all analyses were performed within the 1-year holding time for extracts.

Qualification: None required.

Field Blanks – Equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all sediment samples reported in this SDG. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5
PCB-18/30	24	24	120
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

Qualification: The following results are qualified U-EBL due to contamination in EB06-08042022:

- **SIB-SC-D12-1-2-08/02/2022: PCB-184**
- **SIB-SC-D12-2-3-08/02/2022: PCB-184**
- **SIB-SC-D12-3-4-08/02/2022: PCB-184**
- **SIB-SC-D12-4-5-08/02/2022: PCB-8, PCB-16, and PCB-18/30**
- **SIB-SC-D12-5-6-08/02/2022: PCB-16, PCB-17, PCB-18/30, PCB-19, and PCB-32**
- **FD-24-08/03/2022: PCB-184**

- **SIB-SC-E13-4-5-08/03/2022: PCB-4 and PCB-8**
- **SIB-SC-E13-5-6-08/03/2022: PCB-8**

Field Duplicates – Sample FD-24-08/03/2022 is a field duplicate of sample SIB-SC-E13-2-3-08032022. The parent sample was analyzed at a 5x dilution and the field duplicate was analyzed undiluted; the PQL reported for the field duplicate was used when making absolute difference comparisons. Four congener results did not meet the RPD criteria; affected results are qualified J-FDPR. Eleven congener results did not meet the absolute difference criteria and the affected results are qualified J (detections) or UJ (non-detections), reason code FDPA.

Qualification: The PCB-20/28, PCB-21/33, PCB-31, and PCB-144 results reported for samples FD-24-08/03/2022 and SIB-SC-E13-2-3-08032022 are qualified J-FDPR. The PCB-25, PCB-26/29, PCB-32, PCB-43, PCB-45/51, PCB-50/53, PCB-55, PCB-73, PCB-122, PCB-146, and PCB-161 results reported for samples FD-24-08/03/2022 and SIB-SC-E13-2-3-08032022 are qualified J-FDPA (detections) or UJ-FDPA (non-detections).

Mass Tuning – Mass tuning was performed before the ICal sequence, before each daily analytical sequence, and at the end of each daily analytical sequence. Data was not provided to calculate the resolving power; however, all peaks appeared to be fully resolved and Gaussian in form.

Qualification: None required.

Column Check – Column check data for each analytical sequence showed acceptable separation for PCB-23 and PCB-34 and for PCB-182 and PCB-187 and appropriate coelution for PCB-156 and PCB-157.

Qualification: None required.

Initial Calibration – A five-point ICal was performed on instrument HRP875_1 on April 8, 2022, and is associated with all PCB congener results reported in this SDG. The ICal included all target analytes required by the method (the 12 WHO “Toxic” congeners and the beginning and ending homolog descriptors). All target analytes and labeled standards included in the ICal had %RSDs ≤20%. The ICal verification standard met all acceptance criteria for target analytes and labeled standards.

The ICal was checked by back-calculating the concentration for the short list of PCBs and labeled standards for each calibration level. No acceptance criteria for this back-check were provided in the analytical method or in the laboratory SOP. All back-calculated concentrations agreed with the nominal standard concentration within ±20% and in the judgment of the validator, these results are acceptable.

All ion abundance ratio (IAR) criteria were met in the ICal standards and all S/N ratios were >10.

Qualification: None required.

Continuing Calibration – Target PCBs and labeled analogs met the method %D requirement in each CCV. Ion ratios were in control. All IAR criteria were met in the CCV standards and all S/N ratios were >10.

Qualification: None required.

Method Blanks – The method blank associated with sample analyses was contaminated with the following PCBs.

PCB	Blank Result (pg/g)	Action Level (pg/g)
3	3.28	16.4
11	32.7	163.5
18/30	3.14	15.7
19	6.20	31

PCB	Blank Result (pg/g)	Action Level (pg/g)
20/28	5.12	25.6
21/33	3.30	16.5
31	3.50	17.5
32	3.90	18.5
44/47/65	8.36	41.8
45/51	3.16	15.8
49/69	3.98	19.9
50/53	2.84	14.2
52	10.7	53.5
61/70/74/76	11.9	59.5
66	7.06	35.3
77	4.72	23.6
86/87/97/109/119/125	7.94	39.7
90/101/113	8.58	42.9
95	8.16	40.8
99	3.84	19.2
110/115	7.30	36.5
118	5.94	29.7
128/166	3.10	15.5
129/138/163	6.84	34.2
135/151	2.72	13.6
136	1.58	7.90
147/149	4.26	21.3
153/168	4.72	23.6
156/157	4.48	22.4
167	2.24	11.2
169	3.04	15.2
179	1.34	6.70
180/193	3.30	16.5
187	2.22	11.1
189	1.82	9.10
194	2.48	12.4
195	1.84	9.20
205	1.76	8.80

The laboratory applied a B flag to all results that were less than 10x the concentration in the associated blank. All detected results below the action level (calculated at 5x the blank concentration and adjusted for dilution) should be qualified U-MBL.

Qualification: The following sample results are qualified U:

- **SIB-SC-D12-2-3-08/02/2022: PCB-11**
- **SIB-SC-D12-3-4-08/02/2022: PCB-11**
- **SIB-SC-D12-5-6-08/02/2022: PCB-1, PCB-19, PCB-32, PCB-77, and PCB-189**
- **FD-24-08/03/2022: PCB-11**
- **SIB-SC-E13-4-5-08/03/2022: PCB-11**

Labeled Standards – All labeled standard %Rs met the method control limits. All IARs were in control for labeled standards.

Qualification: None required.

Laboratory Control Samples – The LCS (identified as an OPR standard) associated with all PCB sample analyses had %Rs in control.

Qualification: None required.

MS/MSD – An MS/MSD was performed using sample SIB-SC-E13-3-4-08/03/2022. The MS/MSD was spiked with a subset of PCB congeners. Most spiked congeners showed low to extremely low (<10%) %Rs in the MS and/or MSD. In the judgment of the HGL validator, all non-spiked compounds should be qualified J/UJ-MSLX in the parent sample. All spiked compounds showing a discrepancy should be qualified J/UJ MSL or MSDX as appropriate; this does not include spiked compounds where the sample concentration is $\geq 4x$ the spiked concentration. PCB-105 and PCB-209 showed high RPDs in the MS/MSD pair and the results for those two congeners are qualified J-MSP in addition to any other applicable reason codes.

Qualification: The following qualifiers are applied to sample SIB-SC-E13-3-4-08/03/2022:

- All non-spiked compounds are qualified J (detections) or UJ (non-detections), reason code MSLX.
- PCB-1 and PCB-205 are qualified J-MSL.
- PCB-4, PCB-15, PCB-19, PCB-37, PCB-77, PCB-123, PCB-126, PCB-189, PCB-202, and PCB-208 are qualified J-MSLX.
- PCB-105 is qualified J-MSP.
- PCB-209 is qualified J-MSL,MSP.

Raw Data Review – SIB-SC-D12-3-4-08/02/2022 was selected for an in-depth review. Gas chromatograms, retention time windows, and S/N were examined. It was noted that the laboratory was using a different IAR window for PeCBs than is presented in Table 8 of the method. The laboratory SOP indicates that PeCBs are identified using the (M)/(M+2) ions instead of the (M+2)/(M+4) ions. No other discrepancies were noted.

Qualification: None required.

Compound Quantitation and Identification – The HGL reviewer confirmed that the laboratory uses the mean internal standard procedure described in Section 10.5.3 of Method 1688C to quantify PCB congeners that do not have a labeled analog; the RRFs used for internal standard quantitation were updated for each analytical sequence based on the results of the 209-congener solution analyzed at the start of each sequence. Detected results that met all identification criteria except ion abundance ratio were reported as detections by the laboratory with a laboratory qualifier of K. These results should be qualified J-EMPC unless the J qualifier is superseded by a more severe qualifier. The laboratory reports non-detected results as the EDL qualified U on the summary forms in accordance with project data reporting conventions. Detected results below the PQL are reported by the laboratory with a J qualifier. These J qualifiers are retained unless superseded by a more severe qualifier.

Qualification: All results reported with a laboratory qualifier of EMPC are qualified J-EMPC unless superseded by a more severe qualifier. All results reported as detections below the LOQ retain the J qualifier assigned by the laboratory unless superseded by a more severe qualifier.

Calculation and Transcription Verification – Sample SIB-SC-D12-3-4-08/02/2022 was selected for calculation and transcription verification. These calculation verifications used the raw data and were carried through to the results reported on summary pages and also constitute a transcription verification. Calculations are presented in Attachment B.2.

The calculations showed that several PCB congeners had detections reported in the raw data, but the final result was reported as EDL U. The laboratory was contacted and provided this summary of why the results were considered non-detections:

Peak	Criteria	Reason/Data
3,3',5-Trichlorobiphenyl (36)	RRT Window= 0.901-0.905	RRT 0.909

Peak	Criteria	Reason/Data
3,4,5-Trichlorobiphenyl (38)	RRT Window= 0.951-0.956	RRT 0.964
3,4',5-Trichlorobiphenyl (39)	Manually removed	Interference from Te-48
3,3',4,5-Tetrachlorobiphenyl (78)	RRT Window= 0.980-0.983	RRT 0.987
3,4,4',5-Tetrachlorobiphenyl (81)	RRT Window= 1.000-1.003	RRT 0.997
3,3',4,4',5-Pentachlorobiphenyl (126)	RRT Window= 1.000-1.002	RRT 1.004
3,3',4,5,5'-Pentachlorobiphenyl (127)	Manually removed	Interference from Hx-137
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	RRT Window= 0.973-0.975	RRT 0.971
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	RRT Window= 0.983-0.985	RRT 0.986
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	RRT Window= 0.999-1.001	RRT 0.997

Qualification: None required.

Overall Assessment of Data - The data are usable as reported with the qualification applied by the reviewer.

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 20485
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.22.23
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.18.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E11-1-2-08/04/2022	20485001	Sediment
SIB-SC-E11-2-3-08/04/2022	20485002	Sediment
SIB-SC-E11-3-4-08/04/2022	20485003	Sediment
SIB-SC-E11-4-5-08/04/2022	20485004	Sediment
SIB-SC-E11-5-6-08/04/2022	20485005	Sediment
SIB-SC-F13-1-2-08/08/2022	20485006	Sediment
SIB-SC-F13-2-3-08/08/2022	20485007	Sediment
SIB-SC-F13-2-3-08/08/2022 MS	20485008	Sediment
SIB-SC-F13-2-3-08/08/2022 MSD	20485009	Sediment
SIB-SC-F13-3-4-08/08/2022	20485010	Sediment
FD-30-08/08/2022	20485011	Sediment
SIB-SC-F13-4-5-08/08/2022	20485012	Sediment
SIB-SC-F13-5-6-08/08/2022	20485013	Sediment
SIB-SC-F14-1-2-08/08/2022	20485014	Sediment
SIB-SC-F14-2-3-08/08/2022	20485015	Sediment
SIB-SC-F14-3-4-08/08/2022	20485016	Sediment
SIB-SC-F14-4-5-08/08/2022	20485017	Sediment
SIB-SC-F14-5-6-08/08/2022	20485018	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank was contaminated with many PCBs, leading to the following qualification limits:

- 49.6 pg/g PCB-11, leading to a qualification limit of 248 pg/g

- 11.4 pg/g PCB-20/28, leading to a qualification limit of 57.0 pg/g
- 18.4 pg/g PCB-44/47/65, leading to a qualification limit of 92.0 pg/g
- 15.7 pg/g PCB-45/51, leading to a qualification limit of 78.5 pg/g
- 19.0 pg/g PCB-52, leading to a qualification limit of 95.0 pg/g
- 12.7 pg/g PCB-90/101/113, leading to a qualification limit of 63.5 pg/g
- 17.4 pg/g PCB-95, leading to a qualification limit of 87.0 pg/g
- 13.5 pg/g PCB-110/115, leading to a qualification limit of 67.5 pg/g
- 11.6 pg/g PCB-129/138/163, leading to a qualification limit of 58.0 pg/g

Associated detections below the qualification limits should be qualified U.

Qualification: Detections of contaminated compounds detected below the qualification threshold are qualified U-MBL. The affected results include the PCB-11 results reported for samples SIB-SC-E11-1-2-08/04/2022, SIB-SC-E11-2-3-08/04/2022, SIB-SC-E11-4-5-08/04/2022, SIB-SC-F13-1-2-08/08/2022, SIB-SC-F13-2-3-08/08/2022, SIB-SC-F13-3-4-08/08/2022, FD-30-08/08/2022, SIB-SC-F14-1-2-08/08/2022, SIB-SC-F14-3-4-08/08/2022, SIB-SC-F14-4-5-08/08/2022, and SIB-SC-F14-5-6-08/08/2022; and the PCB-20/28 and PCB-45/51 results reported for sample SIB-SC-F13-5-6-08/08/2022.

Equipment Blanks – Equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all samples in this SDG sampled on 08/04/2022; Equipment blank EB07-08092022 (results reported in SDG 20186) is associated with all samples in this SDG sampled on 08/08/2022. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB06-08042022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5
PCB-18/30	24	24	120
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

All detections were above the qualification threshold and no qualification is required.

EB07-08092022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	40.7	40.7	203.5
PCB-8	38.5	38.5	192.5
PCB-15	13.3	13.3	66.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-16	11.1	11.1	55.5
PCB-17	11.3	11.3	56.5
PCB-18/30	25.7	25.7	128.5
PCB-19	5.74	5.74	28.7
PCB-25	1.73	1.73	8.65
PCB-32	6.77	6.77	33.85
PCB-35	3.12	3.12	15.6
PCB-40/71	7.38	7.38	36.9
PCB-54	1.85	1.85	9.25
PCB-99	8.01	8.01	40.05

The following results were qualified U-EBL due to contamination in EB07-08092022.

- **SIB-SC-F13-4-5-08/08/2022: PCB-54**
- **SIB-SC-F13-5-6-08/08/2022: PCB-17, PCB-18/30, PCB-19, PCB-32**
- **SIB-SC-F14-4-5-08/08/2022: PCB-8, PCB-16, PCB-18/30**
- **SIB-SC-F14-5-6-08/08/2022: PCB-8**

Ambient Blanks – An ambient blank was not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analysis was performed on sample SIB-SC-F13-2-3-08/08/2022. Many analytes recovered outside of QAPP control limits in the MS and/or MSD. For several of these, the sample concentration was >4x the spike concentration and the %R results are not applicable. For the remaining failures, two analytes had high recoveries in the MS (associated detections in parent sample should be qualified J-MSH), six analytes had low recoveries in the MS and/or MSD (associated results in parent sample should be qualified J/UJ-MSL), and five analytes had extremely low recoveries in the MS and/or MSD (associated results in parent sample should be qualified J/R-MSLX). Additionally, seven analytes had RPDs outside of control limits (associated results in parent sample should be qualified J-MSP).

***Qualification:* In sample SIB-SC-F13-2-3-08/08/2022, results are qualified as follows:**

- **PCB-4: J-MSLX,MSP**
- **PCB-15: J-MSLX**
- **PCB-19: J-MSL**
- **PCB-37: J-MSLX**
- **PCB-77: J-MSL**
- **PCB-105: J-MSP**
- **PCB-114: J-MSL,MSP**
- **PCB-118: J-MSP**

- **PCB-123: J-MSL,MSP**
- **PCB-156/157: J-MSP**
- **PCB-167: J-MSH,MSLX,MSP**
- **PCB-202: J-MSL**
- **PCB-206: J-MSL,MSLX**

Field Duplicate – Sample FD-30-08/08/2022 was submitted as a field duplicate of sample SIB-SC-F13-3-4-08/08/2022. RPD or absolute difference were outside control limits for 81 target analytes and associated results in the parent sample and field duplicate should be qualified J-FDPR and J-FDPA, respectively. See Attachment A for a full documentation of the field duplicate comparison.

Qualification: In samples FD-30-08/08/2022 was submitted as a field duplicate of sample SIB-SC-F13-3-4-08/08/2022, all failing analytes are qualified J-FDPR if RPD criteria was used for comparison, and J-FDPA if absolute difference criteria was used for comparison.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E11-1-2-08/04/2022	2,4-DICHLOROBIPHENYL (7)	130	JK	130	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,5-DICHLOROBIPHENYL (9)	135	JK	135	J	EMPC
SIB-SC-E11-1-2-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	162	BJK	162	UJ	MBL,EMPC
SIB-SC-E11-1-2-08/04/2022	PCB-12/13	285	CJK	285	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	2230	K	2230	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	52	JK	52	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	610	K	610	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	37.2	JK	37.2	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)	488	K	488	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2',3,5-TRICHLOROBIPHENYL (34)	128	JK	128	J	EMPC
SIB-SC-E11-1-2-08/04/2022	2,3',6-TRICHLOROBIPHENYL (27)	232	K	232	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2-CHLOROBIPHENYL (1)	67.9	JK	67.9	J	EMPC
SIB-SC-E11-2-3-08/04/2022	3-CHLOROBIPHENYL (2)	20.1	JK	20.1	J	EMPC
SIB-SC-E11-2-3-08/04/2022	4-CHLOROBIPHENYL (3)	71.3	JK	71.3	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2,2'-DICHLOROBIPHENYL (4)	254	JK	254	J	EMPC
SIB-SC-E11-2-3-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	130	BJK	130	UJ	MBL,EMPC
SIB-SC-E11-2-3-08/04/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	56.9	JK	56.9	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	111	JK	111	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	128	JK	128	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	112	JK	112	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)	243	K	243	J	EMPC
SIB-SC-E11-2-3-08/04/2022	2',3,5-TRICHLOROBIPHENYL (34)	45.5	JK	45.5	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2'-DICHLOROBIPHENYL (4)	226	JK	226	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	839	K	839	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	808	K	808	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	1100	K	1100	J	EMPC
SIB-SC-E11-3-4-08/04/2022	PCB-98/102	565	CK	565	J	EMPC
SIB-SC-E11-3-4-08/04/2022	PCB-93/100	487	CK	487	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	156	JK	156	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E11-3-4-08/04/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	224	K	224	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	223	K	223	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	211	K	211	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	35.8	JK	35.8	J	EMPC
SIB-SC-E11-3-4-08/04/2022	2',3,5-TRICHLOROBIPHENYL (34)	78.1	JK	78.1	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,3'-DICHLOROBIPHENYL (6)	263	K	263	J	EMPC
SIB-SC-E11-4-5-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	87.3	BJ	87.3	U	MBL
SIB-SC-E11-4-5-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	37.4	JK	37.4	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	54.5	JK	54.5	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	274	K	274	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	458	K	458	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	373	K	373	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	192	K	192	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	457	CJK	457	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,2',3-TRICHLOROBIPHENYL (16)	540	K	540	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,2',6-TRICHLOROBIPHENYL (19)	186	K	186	J	EMPC
SIB-SC-E11-4-5-08/04/2022	2,3',6-TRICHLOROBIPHENYL (27)	126	JK	126	J	EMPC
SIB-SC-E11-4-5-08/04/2022	3,4',5-TRICHLOROBIPHENYL (39)	189	K	189	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2-CHLOROBIPHENYL (1)	142	JK	142	J	EMPC
SIB-SC-E11-5-6-08/04/2022	4,4'-DICHLOROBIPHENYL (15)	264	K	264	J	EMPC
SIB-SC-E11-5-6-08/04/2022	3-CHLOROBIPHENYL (2)	24.1	JK	24.1	J	EMPC
SIB-SC-E11-5-6-08/04/2022	4-CHLOROBIPHENYL (3)	84.2	JK	84.2	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,3'-DICHLOROBIPHENYL (6)	284	K	284	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,4-DICHLOROBIPHENYL (7)	59.5	JK	59.5	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,5-DICHLOROBIPHENYL (9)	91.1	JK	91.1	J	EMPC
SIB-SC-E11-5-6-08/04/2022	PCB-12/13	110	CJK	110	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	195	K	195	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	191	K	191	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	280	K	280	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	121	JK	121	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	312	K	312	J	EMPC
SIB-SC-E11-5-6-08/04/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	165	K	165	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E11-5-6-08/04/2022	2,3',6-TRICHLOROBIPHENYL (27)	111	JK	111	J	EMPC
SIB-SC-F13-1-2-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	109	BJ	109	U	MBL
SIB-SC-F13-1-2-08/08/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	9.75	JK	9.75	J	EMPC
SIB-SC-F13-1-2-08/08/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	200	JK	200	J	EMPC
SIB-SC-F13-1-2-08/08/2022	2,3,5-TRICHLOROBIPHENYL (23)	44.1	JK	44.1	J	EMPC
SIB-SC-F13-2-3-08/08/2022	4,4'-DICHLOROBIPHENYL (15)	2550	--	2550	J	MSLX
SIB-SC-F13-2-3-08/08/2022	2,2'-DICHLOROBIPHENYL (4)	3070	--	3070	J	MSLX,MSP
SIB-SC-F13-2-3-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	180	BJK	180	UJ	MBL,EMPC
SIB-SC-F13-2-3-08/08/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	33.9	JK	33.9	J	EMPC
SIB-SC-F13-2-3-08/08/2022	PCB-156/157	18000	C	18000	J	MSP
SIB-SC-F13-2-3-08/08/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	7280	--	7280	J	MSL,MSLX
SIB-SC-F13-2-3-08/08/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	3670	--	3670	J	MSL
SIB-SC-F13-2-3-08/08/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	5310	--	5310	J	MSH,MSLX,MSP
SIB-SC-F13-2-3-08/08/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	13.4	JK	13.4	J	EMPC
SIB-SC-F13-2-3-08/08/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	37000	--	37000	J	MSP
SIB-SC-F13-2-3-08/08/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	2430	--	2430	J	MSL,MSP
SIB-SC-F13-2-3-08/08/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	1100	--	1100	J	MSL,MSP
SIB-SC-F13-2-3-08/08/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	136000	--	136000	J	MSP
SIB-SC-F13-2-3-08/08/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	1770	K	1770	J	EMPC
SIB-SC-F13-2-3-08/08/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	1930	--	1930	J	MSL
SIB-SC-F13-2-3-08/08/2022	2,2',6-TRICHLOROBIPHENYL (19)	772	--	772	J	MSL
SIB-SC-F13-2-3-08/08/2022	2,3,5-TRICHLOROBIPHENYL (23)	16.6	JK	16.6	J	EMPC
SIB-SC-F13-2-3-08/08/2022	3,4,4'-TRICHLOROBIPHENYL (37)	3030	--	3030	J	MSLX
SIB-SC-F13-3-4-08/08/2022	2,3-DICHLOROBIPHENYL (5)	51.3	JK	51.3	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,4'-DICHLOROBIPHENYL (8)	3590	--	3590	J	FDPA
SIB-SC-F13-3-4-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	119	BJ	119	U	MBL
SIB-SC-F13-3-4-08/08/2022	PCB-12/13	192	CJK	192	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	36800	--	36800	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-171/173	14000	C	14000	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	6490	--	6490	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	35700	--	35700	J	FDPR

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	22000	--	22000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	4920	--	4920	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	6960	--	6960	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	14200	--	14200	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-180/193	73000	C	73000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-183/185	28100	C	28100	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	26.9	JK	26.9	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	38700	--	38700	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)	17.9	JK	17.9	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	98.5	JK	98.5	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	7490	--	7490	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-128/166	41100	C	41100	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	17400	--	17400	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-129/138/163	259000	C	259000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	94400	--	94400	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	4810	--	4810	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	4230	--	4230	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-135/151	73700	C	73700	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	15900	--	15900	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	34000	--	34000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	16200	--	16200	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-139/140	5650	C	5650	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	41900	--	41900	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	31600	--	31600	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	11600	--	11600	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-147/149	185000	C	185000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	107	JK	107	J	EMPC
SIB-SC-F13-3-4-08/08/2022	PCB-153/168	176000	C	176000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	3540	--	3540	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-156/157	38100	C	38100	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	25600	--	25600	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	15400	--	15400	J	FDPA

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	10400	--	10400	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	2570	--	2570	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	17400	--	17400	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	9510	--	9510	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	6860	--	6860	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-198/199	19600	C	19600	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	2490	--	2490	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	4040	--	4040	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	13300	--	13300	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	11200	--	11200	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	30400	--	30400	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	15000	--	15000	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	75600	--	75600	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-85/116/117	37800	C	37800	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-86/87/97/109/119/125	192000	C	192000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-90/101/113	300000	C	300000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	1930	--	1930	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-88/91	37900	C	37900	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-98/102	6630	C	6630	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	65200	--	65200	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	283000	--	283000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	114000	--	114000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	2980	--	2980	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	21.3	JK	21.3	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	94400	--	94400	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-108/124	10500	C	10500	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	4590	--	4590	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	14800	--	14800	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-110/115	336000	C	336000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	5950	--	5950	J	FDPA

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F13-3-4-08/08/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	3340	--	3340	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	273000	--	273000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-61/70/74/76	144000	C	144000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	PCB-40/71	9690	C	9690	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	6380	--	6380	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-44/47/65	65300	C	65300	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',3,5'-TETRACHLOROBIPHENYL (43)	2900	--	2900	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-49/69	40200	C	40200	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,2',4,5'-TETRACHLOROBIPHENYL (48)	3500	--	3500	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	178000	--	178000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	14000	--	14000	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3,3',4'-TETRACHLOROBIPHENYL (55)	1520	K	1520	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	4780	--	4780	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	37600	--	37600	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	699	JK	699	J	EMPC
SIB-SC-F13-3-4-08/08/2022	2,3,4',6'-TETRACHLOROBIPHENYL (64)	17300	--	17300	J	FDPR
SIB-SC-F13-3-4-08/08/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)	2310	--	2310	J	FDPA
SIB-SC-F13-3-4-08/08/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	1470	K	1470	J	EMPC
SIB-SC-F13-3-4-08/08/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	6650	--	6650	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-18/30	6330	C	6330	J	FDPA
SIB-SC-F13-3-4-08/08/2022	PCB-20/28	9080	C	9080	J	FDPA
SIB-SC-F13-3-4-08/08/2022	2,4',5-TRICHLOROBIPHENYL (31)	8590	--	8590	J	FDPR
FD-30-08/08/2022	3-CHLOROBIPHENYL (2)	55.8	JK	55.8	J	EMPC
FD-30-08/08/2022	2,4'-DICHLOROBIPHENYL (8)	1730	--	1730	J	FDPA
FD-30-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	115	BJ	115	U	MBL
FD-30-08/08/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	8770	--	8770	J	FDPR
FD-30-08/08/2022	PCB-171/173	3180	C	3180	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	1620	--	1620	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	9460	--	9460	J	FDPR
FD-30-08/08/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	6790	--	6790	J	FDPR
FD-30-08/08/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	1330	--	1330	J	FDPA
FD-30-08/08/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	2550	--	2550	J	FDPA

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-30-08/08/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	4710	--	4710	J	FDPR
FD-30-08/08/2022	PCB-180/193	20500	C	20500	J	FDPR
FD-30-08/08/2022	PCB-183/185	7250	C	7250	J	FDPA
FD-30-08/08/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	13.5	JK	13.5	J	EMPC
FD-30-08/08/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	12900	--	12900	J	FDPR
FD-30-08/08/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	1880	--	1880	J	FDPA
FD-30-08/08/2022	PCB-128/166	5200	C	5200	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	2860	--	2860	J	FDPA
FD-30-08/08/2022	PCB-129/138/163	42500	C	42500	J	FDPR
FD-30-08/08/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	15300	--	15300	J	FDPR
FD-30-08/08/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	511	J	511	J	FDPA
FD-30-08/08/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	1480	--	1480	J	FDPA
FD-30-08/08/2022	PCB-135/151	18100	C	18100	J	FDPR
FD-30-08/08/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	2510	--	2510	J	FDPA
FD-30-08/08/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	6480	--	6480	J	FDPR
FD-30-08/08/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	1530	--	1530	J	FDPA
FD-30-08/08/2022	PCB-139/140	1040	CJ	1040	J	FDPA
FD-30-08/08/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	6570	--	6570	J	FDPR
FD-30-08/08/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	9370	--	9370	J	FDPR
FD-30-08/08/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	1670	--	1670	J	FDPA
FD-30-08/08/2022	PCB-147/149	38500	C	38500	J	FDPR
FD-30-08/08/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	10.5	JK	10.5	J	EMPC
FD-30-08/08/2022	PCB-153/168	36700	C	36700	J	FDPR
FD-30-08/08/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	1930	--	1930	J	FDPA
FD-30-08/08/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	15.4	JK	15.4	J	EMPC
FD-30-08/08/2022	PCB-156/157	4810	C	4810	J	FDPA
FD-30-08/08/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	3180	--	3180	J	FDPA
FD-30-08/08/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	2980	--	2980	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	3460	--	3460	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	927	--	927	J	FDPA

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-30-08/08/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	5230	--	5230	J	FDPR
FD-30-08/08/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	2810	--	2810	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	2040	--	2040	J	FDPA
FD-30-08/08/2022	PCB-198/199	6510	C	6510	J	FDPA
FD-30-08/08/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	796	--	796	J	FDPA
FD-30-08/08/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	1340	--	1340	J	FDPA
FD-30-08/08/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	4100	--	4100	J	FDPR
FD-30-08/08/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	1480	--	1480	J	FDPA
FD-30-08/08/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	3770	--	3770	J	FDPR
FD-30-08/08/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	2710	--	2710	J	FDPA
FD-30-08/08/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	10200	--	10200	J	FDPR
FD-30-08/08/2022	PCB-85/116/117	4900	C	4900	J	FDPA
FD-30-08/08/2022	PCB-86/87/97/109/119/125	24800	C	24800	J	FDPR
FD-30-08/08/2022	PCB-90/101/113	48600	C	48600	J	FDPR
FD-30-08/08/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	292	J	292	J	FDPA
FD-30-08/08/2022	PCB-88/91	6640	C	6640	J	FDPA
FD-30-08/08/2022	PCB-98/102	1150	CJ	1150	J	FDPA
FD-30-08/08/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	13200	--	13200	J	FDPR
FD-30-08/08/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	41300	--	41300	J	FDPR
FD-30-08/08/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	23500	--	23500	J	FDPR
FD-30-08/08/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	1360	--	1360	J	FDPA
FD-30-08/08/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	9.2	JK	9.2	J	EMPC
FD-30-08/08/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	10200	--	10200	J	FDPR
FD-30-08/08/2022	PCB-108/124	1120	CJ	1120	J	FDPA
FD-30-08/08/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	588	J	588	J	FDPA
FD-30-08/08/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	2890	--	2890	J	FDPA
FD-30-08/08/2022	PCB-110/115	50900	C	50900	J	FDPR
FD-30-08/08/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	621	J	621	J	FDPA
FD-30-08/08/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	383	J	383	J	FDPA
FD-30-08/08/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	39100	--	39100	J	FDPR
FD-30-08/08/2022	PCB-61/70/74/76	30600	C	30600	J	FDPR
FD-30-08/08/2022	PCB-40/71	3540	C	3540	J	FDPA

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
FD-30-08/08/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	2950	--	2950	J	FDPA
FD-30-08/08/2022	2,2',3,4'-TETRACHLOROBIPHENYL (41)	301	JK	301	J	EMPC
FD-30-08/08/2022	PCB-44/47/65	16800	C	16800	J	FDPR
FD-30-08/08/2022	2,2',3,5'-TETRACHLOROBIPHENYL (43)	813	--	813	J	FDPA
FD-30-08/08/2022	PCB-49/69	15400	C	15400	J	FDPR
FD-30-08/08/2022	2,2',4,5'-TETRACHLOROBIPHENYL (48)	1440	--	1440	J	FDPA
FD-30-08/08/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	36000	--	36000	J	FDPR
FD-30-08/08/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	4960	--	4960	J	FDPR
FD-30-08/08/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	956	--	956	J	FDPA
FD-30-08/08/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	14900	--	14900	J	FDPR
FD-30-08/08/2022	2,3,4,6'-TETRACHLOROBIPHENYL (64)	4300	--	4300	J	FDPR
FD-30-08/08/2022	2,3',5,6'-TETRACHLOROBIPHENYL (73)		U		UJ	FDPA
FD-30-08/08/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	310	JK	310	J	FDPA,EMPC
FD-30-08/08/2022	PCB-18/30	3140	C	3140	J	FDPA
FD-30-08/08/2022	PCB-20/28	5970	C	5970	J	FDPA
FD-30-08/08/2022	2,4',5-TRICHLOROBIPHENYL (31)	4570	--	4570	J	FDPR
SIB-SC-F13-4-5-08/08/2022	4-CHLOROBIPHENYL (3)	32.2	JK	32.2	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,3'-DICHLOROBIPHENYL (6)	175	K	175	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	110	JK	110	J	EMPC
SIB-SC-F13-4-5-08/08/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	42.9	JK	42.9	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	123	K	123	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	8.41	JK	8.41	UJ	EBL,EMPC
SIB-SC-F13-4-5-08/08/2022	2,3,3',5'-TETRACHLOROBIPHENYL (57)	86.9	JK	86.9	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	295	K	295	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	321	K	321	J	EMPC
SIB-SC-F13-4-5-08/08/2022	2,3',6-TRICHLOROBIPHENYL (27)	82.5	JK	82.5	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	53	JK	53	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	16	JK	16	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	12.7	JK	12.7	J	EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-128/166	78.6	CJK	78.6	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	66.8	JK	66.8	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	16	JK	16	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F13-5-6-08/08/2022	PCB-156/157	55.6	CJK	55.6	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	29.4	JK	29.4	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	29.4	JK	29.4	J	EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-197/200	7.06	CJK	7.06	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	21	JK	21	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	51.2	JK	51.2	J	EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-85/116/117	58.7	CJK	58.7	J	EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-108/124	15	CJK	15	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	44.7	JK	44.7	J	EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-45/51	21.9	BCJ	21.9	U	MBL
SIB-SC-F13-5-6-08/08/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	32.5	JK	32.5	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',4-TRICHLOROBIPHENYL (17)	15.2	J	15.2	U	EBL
SIB-SC-F13-5-6-08/08/2022	PCB-18/30	18.7	CJK	18.7	UJ	EBL,EMPC
SIB-SC-F13-5-6-08/08/2022	2,2',6-TRICHLOROBIPHENYL (19)	13.8	JK	13.8	UJ	EBL,EMPC
SIB-SC-F13-5-6-08/08/2022	PCB-20/28	30.2	BCJK	30.2	UJ	MBL,EMPC
SIB-SC-F13-5-6-08/08/2022	2,3,4'-TRICHLOROBIPHENYL (22)	11.4	JK	11.4	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,3',4-TRICHLOROBIPHENYL (25)	11.7	JK	11.7	J	EMPC
SIB-SC-F13-5-6-08/08/2022	2,4',6-TRICHLOROBIPHENYL (32)	13.2	J	13.2	U	EBL
SIB-SC-F14-1-2-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	213	BJK	213	UJ	MBL,EMPC
SIB-SC-F14-1-2-08/08/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	59.4	JK	59.4	J	EMPC
SIB-SC-F14-1-2-08/08/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)	13.2	JK	13.2	J	EMPC
SIB-SC-F14-1-2-08/08/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	604	JK	604	J	EMPC
SIB-SC-F14-1-2-08/08/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	879	JK	879	J	EMPC
SIB-SC-F14-1-2-08/08/2022	2,3,3',5-TETRACHLOROBIPHENYL (58)	573	JK	573	J	EMPC
SIB-SC-F14-2-3-08/08/2022	2,6-DICHLOROBIPHENYL (10)	1200	K	1200	J	EMPC
SIB-SC-F14-2-3-08/08/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	376	JK	376	J	EMPC
SIB-SC-F14-2-3-08/08/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	32.2	JK	32.2	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,5-DICHLOROBIPHENYL (9)	61.5	JK	61.5	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,6-DICHLOROBIPHENYL (10)	116	JK	116	J	EMPC
SIB-SC-F14-3-4-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	57	BJ	57	U	MBL
SIB-SC-F14-3-4-08/08/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	69.6	JK	69.6	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	36.5	JK	36.5	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F14-3-4-08/08/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	119	JK	119	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	41.1	JK	41.1	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	252	K	252	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	38.9	JK	38.9	J	EMPC
SIB-SC-F14-3-4-08/08/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	811	K	811	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2-CHLOROBIPHENYL (1)	84.6	JK	84.6	J	EMPC
SIB-SC-F14-4-5-08/08/2022	4,4'-DICHLOROBIPHENYL (15)	88.5	JK	88.5	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,3'-DICHLOROBIPHENYL (6)	58.5	JK	58.5	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,4'-DICHLOROBIPHENYL (8)	118	J	118	U	EBL
SIB-SC-F14-4-5-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	94.9	BJ	94.9	U	MBL
SIB-SC-F14-4-5-08/08/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	40.6	JK	40.6	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	66.3	JK	66.3	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	22.1	JK	22.1	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	204	K	204	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	97.3	JK	97.3	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	41.7	JK	41.7	J	EMPC
SIB-SC-F14-4-5-08/08/2022	2,2',3-TRICHLOROBIPHENYL (16)	29	JK	29	UJ	EBL,EMPC
SIB-SC-F14-4-5-08/08/2022	PCB-18/30	114	CJ	114	U	EBL
SIB-SC-F14-4-5-08/08/2022	2,3,4'-TRICHLOROBIPHENYL (22)	30.4	JK	30.4	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,4'-DICHLOROBIPHENYL (8)	175	K	175	UJ	EBL,EMPC
SIB-SC-F14-5-6-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	198	BJ	198	U	MBL
SIB-SC-F14-5-6-08/08/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	22.1	JK	22.1	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	43.6	JK	43.6	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	15.6	JK	15.6	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	24.5	JK	24.5	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	53.8	JK	53.8	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	110	JK	110	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	129	K	129	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	58.1	JK	58.1	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	90.9	JK	90.9	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	67.2	JK	67.2	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F14-5-6-08/08/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	116	JK	116	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,2',3-TRICHLOROBIPHENYL (16)	81.7	JK	81.7	J	EMPC
SIB-SC-F14-5-6-08/08/2022	2,3,4'-TRICHLOROBIPHENYL (22)	33.8	JK	33.8	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21190
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.11.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 8.23.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D23-10-11-07/06/2022	21190001	Sediment
SIB-SC-D23-13-14-07/06/2022	21190002	Sediment
SIB-SC-D23-14-14.8-07/06/2022	21190003	Sediment
SIB-SC-D22-12-13-07/06/2022	21190004	Sediment
SIB-SC-D22-13-14-07/06/2022	21190005	Sediment
SIB-SC-E26-6-7-07/06/2022	21190006	Sediment
SIB-SC-E26-7-7.8-07/06/2022	21190007	Sediment
SIB-SC-C23-10-11-07/06/2022	21190008	Sediment
SIB-SC-C23-11-12-07/06/2022	21190009	Sediment
SIB-SC-C23-12-13-07/06/2022	21190010	Sediment
SIB-SC-C33-12-13-07/07/2022	21190011	Sediment
SIB-SC-C33-13-13.5-07/07/2022	21190012	Sediment
SIB-SC-F09-6-7-07/14/2022	21190013	Sediment
SIB-SC-D19-12-13-07/19/2022	21190014	Sediment
SIB-SC-D19-13-14-07/19/2022	21190015	Sediment
SIB-SC-D18-6-7-07/19/2022	21190016	Sediment
SIB-SC-E17-10-11-07/19/2022	21190017	Sediment
SIB-SC-E17-11-11.8-07/19/2022	21190018	Sediment
SIB-SC-E19-13-14-07/20/2022	21190019	Sediment
SIB-SC-E19-14-14.4-07/20/2022	21190020	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – With the exception of several labeling discrepancies, which were resolved, all samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 0.836 pg/g of 1,2,3,4,6,7,8,9-OCDD, 0.240 pg/g of 1,2,3,4,7,8-HxCDF, and 0.460 pg/g of 1,2,3,4,6,7,8-HpCDF leading to qualification limits of 4.18 pg/g, 1.2 pg/g, and 2.3 pg/g, respectively. The 1,2,3,4,7,8-HxCDF results for samples SIB-SC-E26-7-7.8-07/06/2022, SIB-SC-C23-10-11-07/06/2022, SIB-SC-C23-12-13-07/06/2022, SIB-SC-F09-6-7-07/14/2022, SIB-SC-D18-6-7-07/19/2022, SIB-SC-E17-10-11-07/19/2022, SIB-SC-E17-11-11.8-07/19/2022, SIB-SC-E19-14-14.4-07/20/2022, and the 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E26-6-7-07/06/2022, SIB-SC-E26-7-7.8-07/06/2022, SIB-SC-C23-12-13-07/06/2022, SIB-SC-F09-6-7-07/14/2022, SIB-SC-E17-10-11-07/19/2022, SIB-SC-E17-11-11.8-07/19/2022, and SIB-SC-E19-14-14.4-07/20/2022 should be qualified U-MBL.

Qualification: The 1,2,3,4,7,8-HxCDF results for samples SIB-SC-E26-7-7.8-07/06/2022, SIB-SC-C23-10-11-07/06/2022, SIB-SC-C23-12-13-07/06/2022, SIB-SC-F09-6-7-07/14/2022, SIB-SC-D18-6-7-07/19/2022, SIB-SC-E17-10-11-07/19/2022, SIB-SC-E17-11-11.8-07/19/2022, and SIB-SC-E19-14-14.4-07/20/2022 are qualified U-MBL. The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E26-6-7-07/06/2022, SIB-SC-E26-7-7.8-07/06/2022, SIB-SC-C23-12-13-07/06/2022, SIB-SC-F09-6-7-07/14/2022, SIB-SC-E17-10-11-07/19/2022, SIB-SC-E17-11-11.8-07/19/2022, and SIB-SC-E19-14-14.4-07/20/2022 are qualified UJ-MBL, due to these results already being J-qualified due to LCS failures. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/6/22 and 7/7/22. The rinse blank was free from contamination.

Rinse blank EB02-07/13/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/14/22. The rinse blank was free from contamination.

Rinse blank EB03-07/20/2022 (results reported in SDG 20074) is associated with all samples with results reported in this SDG that were sampled on 7/19/22 and 7/20/22. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs were within QAPP control limits with the exception of 1,2,3,6,7,8-HxCDD and 1,2,3,4,6,7,8-HpCDF, which yielded recoveries above control limits in the LCS. All detected results for 1,2,3,6,7,8-HxCDD and 1,2,3,4,6,7,8-HpCDF should be qualified J-LCSH; non-detected results do not require qualification. All RPDs were within QAPP control limits.

Qualification: All detected results for 1,2,3,6,7,8-HxCDD and 1,2,3,4,6,7,8-HpCDF are qualified J-LCSH.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-D23-10-11-07/06/2022. The MS had extremely low %R for 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF, and low %R for 1,2,3,4,6,7,8-HpCDF. The MSD has low %R for 1,2,3,4,6,7,8,9-OCDF and high %R for 1,2,3,4,6,7,8,9-OCDD. For 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF, the sample concentration was >4x the spike concentration and the %R results are not applicable. The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-D23-10-11-07/06/2022 should be qualified J-MSL. All RPDs were within control limits.

Qualification: The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-D23-10-11-07/06/2022 is qualified J-MSL.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 8 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Eight OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results. Two additional OCDD results spiked into the MS and MSD also had this change made; although spike results are not validated, these results are reportable.
- Two Heptachloro-p-dioxin results reported with a laboratory qualifier of E have the reportable_result field populated with “No” by the laboratory and are changed to “Yes”. Although total congener results are not validated, these results are reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D23-10-11-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	370	--	370	J	LCSH,MSL
SIB-SC-D23-10-11-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	45.9	--	45.9	J	LCSH
SIB-SC-D23-10-11-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.88	K	5.88	J	EMPC
SIB-SC-D23-10-11-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.07	--	4.07	DNR	EXC
SIB-SC-D23-10-11-07/06/2022	OCTACHLORODIBENZO-P-DIOXIN	13000	E	13000	J	ACR
SIB-SC-D23-13-14-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	273	--	273	J	LCSH
SIB-SC-D23-13-14-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	17.7	--	17.7	J	LCSH
SIB-SC-D23-13-14-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.39	JK	2.39	J	EMPC
SIB-SC-D23-13-14-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.6	--	1.6	DNR	EXC
SIB-SC-D23-13-14-07/06/2022	OCTACHLORODIBENZO-P-DIOXIN	6280	E	6280	J	ACR
SIB-SC-D23-14-14.8-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	214	--	214	J	LCSH
SIB-SC-D23-14-14.8-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.13	--	9.13	J	LCSH
SIB-SC-D23-14-14.8-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.66	JK	1.66	J	EMPC
SIB-SC-D23-14-14.8-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.59	--	1.59	DNR	EXC
SIB-SC-D22-12-13-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	402	--	402	J	LCSH
SIB-SC-D22-12-13-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	42.6	--	42.6	J	LCSH

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D22-12-13-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.28	--	2.28	DNR	EXC
SIB-SC-D22-12-13-07/06/2022	OCTACHLORODIBENZO-P-DIOXIN	15000	E	15000	J	ACR
SIB-SC-D22-13-14-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	369	--	369	J	LCSH
SIB-SC-D22-13-14-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	21.1	--	21.1	J	LCSH
SIB-SC-D22-13-14-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.63	--	1.63	DNR	EXC
SIB-SC-D22-13-14-07/06/2022	OCTACHLORODIBENZO-P-DIOXIN	6400	E	6400	J	ACR
SIB-SC-E26-6-7-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.563	BJ	0.563	UJ	LCSH,MBL
SIB-SC-E26-7-7.8-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.711	BJ	0.711	UJ	LCSH,MBL
SIB-SC-E26-7-7.8-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.99	JK	1.99	J	EMPC
SIB-SC-E26-7-7.8-07/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.204	BJK	0.204	UJ	MBL,EMPC
SIB-SC-E26-7-7.8-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.118	JK	0.118	J	EMPC
SIB-SC-E26-7-7.8-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.116	JK	0.116	J	EMPC
SIB-SC-E26-7-7.8-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.198	JK	0.198	J	EMPC
SIB-SC-C23-10-11-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.53	--	6.53	J	LCSH
SIB-SC-C23-10-11-07/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.598	BJ	0.598	U	MBL
SIB-SC-C23-10-11-07/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.242	JK	0.242	J	EMPC
SIB-SC-C23-10-11-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.09	J	1.09	J	LCSH
SIB-SC-C23-10-11-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.234	JK	0.234	J	EMPC
SIB-SC-C23-10-11-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.338	JK	0.338	J	EMPC
SIB-SC-C23-11-12-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	29.9	--	29.9	J	LCSH

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-11-12-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.35	--	5.35	J	LCSH
SIB-SC-C23-11-12-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.66	JK	0.66	J	EMPC
SIB-SC-C23-11-12-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.35	--	1.35	DNR	EXC
SIB-SC-C23-12-13-07/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.753	BJ	0.753	UJ	LCSH,MBL
SIB-SC-C23-12-13-07/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.214	BJ	0.214	U	MBL
SIB-SC-C23-12-13-07/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.152	JK	0.152	J	LCSH,EMPC
SIB-SC-C23-12-13-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.172	JK	0.172	J	EMPC
SIB-SC-C23-12-13-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.23	JK	0.23	J	EMPC
SIB-SC-C33-12-13-07/07/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	160	--	160	J	LCSH
SIB-SC-C33-12-13-07/07/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.07	K	6.07	J	EMPC
SIB-SC-C33-12-13-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	35.8	--	35.8	J	LCSH
SIB-SC-C33-12-13-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.96	--	2.96	DNR	EXC
SIB-SC-C33-12-13-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	11300	E	11300	J	ACR
SIB-SC-C33-13-13.5-07/07/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	273	--	273	J	LCSH
SIB-SC-C33-13-13.5-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	48.8	--	48.8	J	LCSH
SIB-SC-C33-13-13.5-07/07/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.69	K	6.69	J	EMPC
SIB-SC-C33-13-13.5-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	12.9	--	12.9	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C33-13-13.5-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	10900	E	10900	J	ACR
SIB-SC-F09-6-7-07/14/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.694	BJ	0.694	UJ	LCSH,MBL
SIB-SC-F09-6-7-07/14/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.222	BJK	0.222	UJ	MBL,EMPC
SIB-SC-F09-6-7-07/14/2022	OCTACHLORODIBENZOFURAN	0.672	JK	0.672	J	EMPC
SIB-SC-D19-12-13-07/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	143	--	143	J	LCSH
SIB-SC-D19-12-13-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	37.8	--	37.8	J	LCSH
SIB-SC-D19-12-13-07/19/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.04	K	4.04	J	EMPC
SIB-SC-D19-12-13-07/19/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.54	--	4.54	DNR	EXC
SIB-SC-D19-12-13-07/19/2022	OCTACHLORODIBENZO-P-DIOXIN	12700	E	12700	J	ACR
SIB-SC-D19-13-14-07/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	151	--	151	J	LCSH
SIB-SC-D19-13-14-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	36.8	--	36.8	J	LCSH
SIB-SC-D19-13-14-07/19/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.44	K	4.44	J	EMPC
SIB-SC-D19-13-14-07/19/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.44	--	5.44	DNR	EXC
SIB-SC-D19-13-14-07/19/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.4	K	4.4	J	EMPC
SIB-SC-D19-13-14-07/19/2022	OCTACHLORODIBENZO-P-DIOXIN	11700	E	11700	J	ACR
SIB-SC-D18-6-7-07/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.43	--	5.43	J	LCSH
SIB-SC-D18-6-7-07/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.582	BJK	0.582	UJ	MBL,EMPC
SIB-SC-D18-6-7-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.412	JK	0.412	J	EMPC
SIB-SC-D18-6-7-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.294	J	0.294	J	LCSH
SIB-SC-E17-10-11-07/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.591	BJ	0.591	UJ	LCSH,MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E17-10-11-07/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.178	BJ	0.178	U	MBL
SIB-SC-E17-10-11-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0979	JK	0.0979	J	EMPC
SIB-SC-E17-10-11-07/19/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.234	JK	0.234	J	EMPC
SIB-SC-E17-11-11.8-07/19/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.696	BJ	0.696	UJ	LCSH,MBL
SIB-SC-E17-11-11.8-07/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.194	BJK	0.194	UJ	MBL,EMPC
SIB-SC-E17-11-11.8-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.136	JK	0.136	J	EMPC
SIB-SC-E17-11-11.8-07/19/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.116	JK	0.116	J	LCSH,EMPC
SIB-SC-E17-11-11.8-07/19/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.122	JK	0.122	J	EMPC
SIB-SC-E17-11-11.8-07/19/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.11	JK	0.11	J	EMPC
SIB-SC-E17-11-11.8-07/19/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.174	JK	0.174	J	EMPC
SIB-SC-E19-13-14-07/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	233	--	233	J	LCSH
SIB-SC-E19-13-14-07/20/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11	--	11	J	LCSH
SIB-SC-E19-13-14-07/20/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.94	JK	1.94	J	EMPC
SIB-SC-E19-13-14-07/20/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.33	K	1.33	DNR	EXC
SIB-SC-E19-13-14-07/20/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.55	K	1.55	J	EMPC
SIB-SC-E19-13-14-07/20/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.597	K	0.597	J	EMPC
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.06	BJ	1.06	UJ	LCSH,MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.122	BJ	0.122	U	MBL
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.112	JK	0.112	J	EMPC
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.19	JK	0.19	J	LCSH,EMPC
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.2	JK	0.2	J	EMPC
SIB-SC-E19-14-14.4-07/20/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0959	JK	0.0959	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21191
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.11.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C34-13-14-07/07/2022	21191001	Sediment
SIB-SC-C34-14-14.7-07/07/2022	21191002	Sediment
SIB-SC-C35-11-12-07/07/2022	21191003	Sediment
SIB-SC-C35-12-13-07/07/2022	21191004	Sediment
SIB-SC-E34-12-13-07/08/2022	21191005	Sediment
SIB-SC-E34-13-13.8-07/08/2022	21191006	Sediment
SIB-SC-E36-13-14-07/08/2022	21191007	Sediment
SIB-SC-E36-14-14.6-07/08/2022	21191008	Sediment
SIB-SC-D36-11-12-07/08/2022	21191009	Sediment
SIB-SC-D36-12-12.7-07/08/2022	21191010	Sediment
SIB-SC-E35-13-14-07/08/2022	21191011	Sediment
SIB-SC-E35-14-14.7-07/08/2022	21191012	Sediment
SIB-SC-F31-11-12-07/08/2022	21191013	Sediment
SIB-SC-F31-12-12.7-07/08/2022	21191014	Sediment
SIB-SC-E30-7-8-07/23/2022	21191015	Sediment
SIB-SC-E30-8-9-07/23/2022	21191016	Sediment
SIB-SC-E30-9-10-07/23/2022	21191017	Sediment
SIB-SC-F21-6-7-07/24/2022	21191018	Sediment
SIB-SC-F21-7-8-07/24/2022	21191019	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – With the exception of several labeling discrepancies, which were resolved, all samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 0.73 pg/g of 1,2,3,4,6,7,8,9-OCDD and 0.364 pg/g of 1,2,3,4,6,7,8-HpCDF leading to qualification limits of 3.65 pg/g and 1.82 pg/g,

respectively. The 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-E30-7-8-07/23/2022, SIB-SC-E30-8-9-07/23/2022, SIB-SC-E30-9-10-07/23/2022, SIB-SC-F21-6-7-07/24/2022, and SIB-SC-F21-7-8-07/24/2022 should be qualified U-MBL.

Qualification: The 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-E30-7-8-07/23/2022, SIB-SC-E30-8-9-07/23/2022, SIB-SC-E30-9-10-07/23/2022, SIB-SC-F21-6-7-07/24/2022, and SIB-SC-F21-7-8-07/24/2022 are qualified U-MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/7/22 and 7/8/22. The rinse blank was free from contamination.

Rinse blank EB04-07/21/2022 (results reported in SDG 20074) is associated with all samples with results reported in this SDG that were sampled on 7/23/22. The rinse blank was free from contamination.

Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG that were sampled on 7/24/22. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs were within QAPP control limits. All RPDs were within QAPP control limits with the exception of 1,2,3,6,7,8-HxCDF and 1,2,3,4,7,8,9-HpCDF. All detections of these analytes in all associated samples should be qualified J-LCSP.

Qualification: All detected results for 1,2,3,6,7,8-HxCDF and 1,2,3,4,7,8,9-HpCDF are qualified J-LCSP.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-C34-13-14-07/07/2022. The MS has extremely low %R for 1,2,3,4,6,7,8,9-OCDD and low %R for 1,2,3,4,6,7,8,9-HpCDD. The MSD has a high %R for 1,2,3,4,6,7,8,9-OCDF and 1,2,3,4,6,7,8,9-OCDD. For 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-HpCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. All RPDs were within control limits with the exception of 1,2,3,4,6,7,8,9-OCDF. The 1,2,3,4,6,7,8,9-OCDF result in sample SIB-SC-C34-13-14-07/07/2022 should be qualified J-MSH,MSP.

Qualification: The 1,2,3,4,6,7,8,9-OCDF result in sample SIB-SC-C34-13-14-07/07/2022 is qualified J-MSH,MSP.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 14 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Fourteen OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.
- Two total heptachloro-p-dioxin results reported with a laboratory qualifier of E have the reportable_result field populated with "No" by the laboratory and are changed to "Yes". Although total congener results are not validated, these results are reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C34-13-14-07/07/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.1	--	12.1	J	LCSP
SIB-SC-C34-13-14-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15.8	--	15.8	J	LCSP
SIB-SC-C34-13-14-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.04	--	5.04	DNR	EXC
SIB-SC-C34-13-14-07/07/2022	OCTACHLORODIBENZOFURAN	535	--	535	J	MSH,MSP
SIB-SC-C34-13-14-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	14300	E	14300	J	ACR
SIB-SC-C34-14-14.7-07/07/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.93	--	9.93	J	LCSP
SIB-SC-C34-14-14.7-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.5	--	12.5	J	LCSP
SIB-SC-C34-14-14.7-07/07/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.13	K	4.13	J	EMPC
SIB-SC-C34-14-14.7-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.57	--	3.57	DNR	EXC
SIB-SC-C34-14-14.7-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	10600	E	10600	J	ACR
SIB-SC-C35-11-12-07/07/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	9.32	--	9.32	J	LCSP
SIB-SC-C35-11-12-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.8	--	10.8	J	LCSP
SIB-SC-C35-11-12-07/07/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.54	K	4.54	J	EMPC
SIB-SC-C35-11-12-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.99	--	4.99	DNR	EXC
SIB-SC-C35-11-12-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	8980	E	8980	J	ACR
SIB-SC-C35-12-13-07/07/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.9	--	10.9	J	LCSP
SIB-SC-C35-12-13-07/07/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.1	--	13.1	J	LCSP
SIB-SC-C35-12-13-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.03	--	5.03	DNR	EXC
SIB-SC-C35-12-13-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	9250	E	9250	J	ACR
SIB-SC-E34-12-13-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.5	--	12.5	J	LCSP
SIB-SC-E34-12-13-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.9	--	18.9	J	LCSP
SIB-SC-E34-12-13-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.91	--	2.91	DNR	EXC
SIB-SC-E34-12-13-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	11100	E	11100	J	ACR
SIB-SC-E34-13-13.8-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	10.1	--	10.1	J	LCSP

SIB-SC-E34-13-13.8-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	12.9	--	12.9	J	LCSP
SIB-SC-E34-13-13.8-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.91	K	3.91	J	EMPC
SIB-SC-E34-13-13.8-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.66	--	3.66	DNR	EXC
SIB-SC-E34-13-13.8-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	11000	E	11000	J	ACR
SIB-SC-E36-13-14-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15.1	--	15.1	J	LCSP
SIB-SC-E36-13-14-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	22.2	--	22.2	J	LCSP
SIB-SC-E36-13-14-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.71	--	4.71	DNR	EXC
SIB-SC-E36-13-14-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	12700	E	12700	J	ACR
SIB-SC-E36-14-14.6-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.4	--	11.4	J	LCSP
SIB-SC-E36-14-14.6-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	17.9	--	17.9	J	LCSP
SIB-SC-E36-14-14.6-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.58	--	3.58	DNR	EXC
SIB-SC-E36-14-14.6-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	10600	E	10600	J	ACR
SIB-SC-D36-11-12-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	16.8	--	16.8	J	LCSP
SIB-SC-D36-11-12-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	20.1	--	20.1	J	LCSP
SIB-SC-D36-11-12-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.13	K	6.13	J	EMPC
SIB-SC-D36-11-12-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	6.27	--	6.27	DNR	EXC
SIB-SC-D36-11-12-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	14300	E	14300	J	ACR
SIB-SC-D36-12-12.7-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11	--	11	J	LCSP
SIB-SC-D36-12-12.7-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	13.8	--	13.8	J	LCSP
SIB-SC-D36-12-12.7-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.16	K	5.16	J	EMPC
SIB-SC-D36-12-12.7-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.61	--	4.61	DNR	EXC
SIB-SC-D36-12-12.7-07/08/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.96	K	1.96	J	EMPC
SIB-SC-D36-12-12.7-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	10900	E	10900	J	ACR

SIB-SC-E35-13-14-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.66	J	4.66	J	LCSP
SIB-SC-E35-13-14-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.44	J	4.44	J	LCSP
SIB-SC-E35-13-14-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.14	JK	2.14	J	EMPC
SIB-SC-E35-13-14-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	K	2.01	DNR	EXC
SIB-SC-E35-13-14-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	4060	E	4060	J	ACR
SIB-SC-E35-14-14.7-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12	--	12	J	LCSP
SIB-SC-E35-14-14.7-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	15	--	15	J	LCSP
SIB-SC-E35-14-14.7-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.73	K	4.73	J	EMPC
SIB-SC-E35-14-14.7-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.88	--	4.88	DNR	EXC
SIB-SC-E35-14-14.7-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	10100	E	10100	J	ACR
SIB-SC-F31-11-12-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.6	--	11.6	J	LCSP
SIB-SC-F31-11-12-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.1	--	18.1	J	LCSP
SIB-SC-F31-11-12-07/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.86	JK	1.86	J	EMPC
SIB-SC-F31-11-12-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.14	--	1.14	DNR	EXC
SIB-SC-F31-11-12-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	8690	E	8690	J	ACR
SIB-SC-F31-12-12.7-07/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	12.4	--	12.4	J	LCSP
SIB-SC-F31-12-12.7-07/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	21.7	--	21.7	J	LCSP
SIB-SC-F31-12-12.7-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.65	--	1.65	DNR	EXC
SIB-SC-F31-12-12.7-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	10600	E	10600	J	ACR
SIB-SC-E30-7-8-07/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.553	BJ	0.553	U	MBL
SIB-SC-E30-7-8-07/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.62	JK	2.62	J	EMPC
SIB-SC-E30-7-8-07/23/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.12	JK	0.12	J	LCSP,EMPC
SIB-SC-E30-7-8-07/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.353	JK	0.353	J	EMPC
SIB-SC-E30-7-8-07/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.245	JK	0.245	J	EMPC
SIB-SC-E30-8-9-07/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.451	BJ	0.451	U	MBL
SIB-SC-E30-8-9-07/23/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0858	JK	0.0858	J	LCSP,EMPC

SIB-SC-E30-8-9-07/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.176	JK	0.176	J	EMPC
SIB-SC-E30-9-10-07/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.248	BJ	0.248	U	MBL
SIB-SC-E30-9-10-07/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.29	JK	1.29	J	EMPC
SIB-SC-E30-9-10-07/23/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.15	JK	0.15	J	EMPC
SIB-SC-E30-9-10-07/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.238	JK	0.238	J	EMPC
SIB-SC-F21-6-7-07/24/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.332	BJK	0.332	UJ	MBL,EMPC
SIB-SC-F21-6-7-07/24/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.114	JK	0.114	J	EMPC
SIB-SC-F21-6-7-07/24/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.096	JK	0.096	J	EMPC
SIB-SC-F21-6-7-07/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.322	JK	0.322	J	EMPC
SIB-SC-F21-7-8-07/24/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.372	BJ	0.372	U	MBL
SIB-SC-F21-7-8-07/24/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.116	JK	0.116	J	EMPC
SIB-SC-F21-7-8-07/24/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.176	JK	0.176	J	EMPC
SIB-SC-F21-7-8-07/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.214	JK	0.214	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21192
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.11.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-F18-6-7-07/21/2022	21192001	Sediment
SIB-SC-F18-7-8-07/21/2022	21192002	Sediment
SIB-SC-F18-8-9-07/21/2022	21192003	Sediment
SIB-SC-C09-6-7-08/19/2022	21192004	Sediment
SIB-SC-I06-6-7-07/26/2022	21192005	Sediment
SIB-SC-I06-7-8-07/26/2022	21192006	Sediment
SIB-SC-I06-8-9-07/26/2022	21192007	Sediment
SIB-SC-I08-9-10-07/28/2022	21192008	Sediment
SIB-SC-I08-10-11-07/28/2022	21192009	Sediment
SIB-SC-I08-11-12-07/28/2022	21192010	Sediment
SIB-SC-I05-6-7-07/28/2022	21192011	Sediment
SIB-SC-I05-7-8-07/28/2022	21192012	Sediment
SIB-SC-D07-6-7-08/04/2022	21192013	Sediment
SIB-SC-D07-7-8-08/04/2022	21192014	Sediment
SIB-SC-D08-6-7-08/04/2022	21192015	Sediment
SIB-SC-E06-6-7-08/08/2022	21192016	Sediment
SIB-SC-E06-7-8-08/08/2022	21192017	Sediment
SIB-SC-E06-8-9-08/08/2022	21192018	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – With the exception of several labeling discrepancies, which were resolved, all samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with 1.09 pg/g of 1,2,3,4,6,7,8,9-OCDD and 0.330 pg/g of 1,2,3,4,6,7,8-HpCDF leading to qualification limits of 5.45 pg/g and 1.65 pg/g,

respectively. The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-F18-8-9-07/21/2022, SIB-SC-I05-7-8-07/28/2022, and SIB-SC-D08-6-7-08/04/2022 should be qualified U-MBL.

Qualification: The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-F18-8-9-07/21/2022, SIB-SC-I05-7-8-07/28/2022, and SIB-SC-D08-6-7-08/04/2022 are qualified U-MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB04-07/21/2022 (results reported in SDG 20074) is associated with all samples with results reported in this SDG that were sampled on 7/21/22. The rinse blank was free from contamination.

Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG that were sampled on 7/26/22 and 7/28/22. The rinse blank was free from contamination.

Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 8/4/22. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/08/2022. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395 pg/g
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

The 1,2,3,4,7,8-HxCDF and 1,2,3,4,6,7,8-HpCDF results for sample SIB-SC-F18-8-9-07/21/2022 were below the qualification limits and were qualified U-EBL. All other associated detections were above the qualification limit, and no qualification is required.

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/19/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-F18-6-7-07/21/2022. The MSD had a high %R for 1,2,3,4,6,7,8,9-OCDD. All RPDs were within control limits

with the exception of 1,2,3,4,6,7,8,9-OCDD. The 1,2,3,4,6,7,8,9-OCDD result in sample SIB-SC-F18-6-7-07/21/2022 should be qualified J-MSH,MSP.

Qualification: The 1,2,3,4,6,7,8,9-OCDD result in sample SIB-SC-F18-6-7-07/21/2022 is qualified J-MSH,MSP.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 1 affected sample is qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- One OCDD result reported with a laboratory qualifier of E is qualified J with reason code ACR; note that the reportable_result field for this result is populated with “No” by the laboratory and is changed to “Yes” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F18-6-7-07/21/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.17	JK	2.17	J	EMPC
SIB-SC-F18-6-7-07/21/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.5	JK	1.5	J	EMPC
SIB-SC-F18-6-7-07/21/2022	OCTACHLORODIBENZO-P-DIOXIN	506		506	J	MSH,MSP
SIB-SC-F18-7-8-07/21/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.424	JK	0.424	J	EMPC
SIB-SC-F18-7-8-07/21/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.298	JK	0.298	J	EMPC
SIB-SC-F18-8-9-07/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.925	BJ	0.925	U	MBL,EBL
SIB-SC-F18-8-9-07/21/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.256	J	0.256	U	EBL
SIB-SC-F18-8-9-07/21/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.24	JK	0.24	J	EMPC
SIB-SC-F18-8-9-07/21/2022	OCTACHLORODIBENZOFURAN	1.26	JK	1.26	J	EMPC
SIB-SC-C09-6-7-08/19/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.54	JK	0.54	J	EMPC
SIB-SC-C09-6-7-08/19/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.454	JK	0.454	J	EMPC
SIB-SC-I06-6-7-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.5	K	10.5	J	EMPC
SIB-SC-I06-6-7-07/26/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.7	K	28.7	J	EMPC
SIB-SC-I06-6-7-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.75	K	3.75	J	EMPC
SIB-SC-I06-6-7-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.74	K	5.74	DNR	EXC
SIB-SC-I06-6-7-07/26/2022	OCTACHLORODIBENZO-P-DIOXIN	12300	E	12300	J	ACR
SIB-SC-I06-7-8-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.887	JK	0.887	J	EMPC
SIB-SC-I08-9-10-07/28/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.08	JK	1.08	J	EMPC
SIB-SC-I08-11-12-07/28/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.03	JK	4.03	J	EMPC
SIB-SC-I08-11-12-07/28/2022	OCTACHLORODIBENZOFURAN	2.39	JK	2.39	J	EMPC
SIB-SC-I05-7-8-07/28/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.12	BJK	1.12	UJ	MBL,EMPC
SIB-SC-D07-6-7-08/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.53	JK	1.53	J	EMPC
SIB-SC-D07-7-8-08/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.487	JK	0.487	J	EMPC
SIB-SC-D07-7-8-08/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.901	JK	0.901	J	EMPC
SIB-SC-D08-6-7-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.976	BJK	0.976	UJ	MBL,EMPC
SIB-SC-E06-6-7-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.75	JK	0.75	J	EMPC
SIB-SC-E06-6-7-08/08/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.06	JK	1.06	J	EMPC
SIB-SC-E06-6-7-08/08/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.01	JK	1.01	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E06-7-8-08/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.348	JK	0.348	J	EMPC
SIB-SC-E06-8-9-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.26	JK	2.26	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21193
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.21.2023
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E04-6-7-08/08/2022	21193001	Sediment
SIB-SC-E04-7-8-08/08/2022	21193002	Sediment
SIB-SC-E04-8-9-08/08/2022	21193003	Sediment
SIB-SC-E04-9-10-08/08/2022	21193004	Sediment
SIB-SC-F04-6-7-08/11/2022	21193005	Sediment
SIB-SC-F04-7-8-08/11/2022	21193006	Sediment
SIB-SC-F04-8-9-08/11/2022	21193007	Sediment
SIB-SC-F04-9-10-08/11/2022	21193008	Sediment
SIB-SC-F04-10-11-08/11/2022	21193009	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.31 pg/g, leading to a qualification limit of 1.55 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 6.43 pg/g, leading to a qualification limit of 32.15 pg/g
- 2,3,7,8-TCDF at 0.144 pg/g, leading to a qualification limit of 0.72 pg/g
- 1,2,3,7,8-PeCDF at 0.11 pg/g, leading to a qualification limit of 0.55 pg/g
- 1,2,3,4,7,8-HxCDF at 0.16 pg/g, leading to a qualification limit of 0.80 pg/g
- 1,2,3,6,7,8-HxCDF at 0.078 pg/g, leading to a qualification limit of 0.39 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.278 pg/g, leading to a qualification limit of 1.39 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.26 pg/g, leading to a qualification limit of 1.3 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-E04-7-8-08/08/2022
- The 1,2,3,4,6,7,8,9-OCDD results in samples SIB-SC-E04-7-8-08/08/2022 and SIB-SC-E04-8-9-08/08/2022
- The 2,3,7,8-TCDF results in samples SIB-SC-E04-6-7-08/08/2022, SIB-SC-E04-8-9-08/08/2022, SIB-SC-E04-9-10-08/08/2022, SIB-SC-F04-6-7-08/11/2022, SIB-SC-F04-7-8-08/11/2022, SIB-SC-F04-8-9-08/11/2022, SIB-SC-F04-9-10-08/11/2022, and SIB-SC-F04-10-11-08/11/2022.
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-E04-6-7-08/08/2022, SIB-SC-F04-6-7-08/11/2022, and SIB-SC-F04-10-11-08/11/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-E04-6-7-08/08/2022, SIB-SC-E04-8-9-08/08/2022, SIB-SC-E04-9-10-08/08/2022, SIB-SC-F04-7-8-08/11/2022, SIB-SC-F04-9-10-08/11/2022, and SIB-SC-F04-10-11-08/11/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-F04-7-8-08/11/2022 and SIB-SC-F04-9-10-08/11/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E04-7-8-08/08/2022, SIB-SC-E04-8-9-08/08/2022, and SIB-SC-E04-9-10-08/08/2022.

Rinsate Blanks – Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG. The rinsate blank was contaminated with the following target analytes.

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-E04-7-8-08/08/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-E04-8-9-08/08/2022, SIB-SC-E04-9-10-08/08/2022, SIB-SC-F04-7-8-08/11/2022, SIB-SC-F04-9-10-08/11/2022, and SIB-SC-F04-10-11-08/11/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E04-7-8-08/08/2022, SIB-SC-E04-8-9-08/08/2022, and SIB-SC-E04-9-10-08/08/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-E04-6-7-08/08/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E04-6-7-08/08/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.294	JK	0.294	J	EMPC
SIB-SC-E04-6-7-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.636	BJ	0.636	U	MBL
SIB-SC-E04-6-7-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.194	JK	0.194	J	EMPC
SIB-SC-E04-6-7-08/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.46	BJK	0.46	J	EMPC
SIB-SC-E04-6-7-08/08/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.332	JK	0.332	J	EMPC
SIB-SC-E04-6-7-08/08/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.23	BJK	0.23	UJ	MBL,EMPC
SIB-SC-E04-6-7-08/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.17	JK	0.17	J	EMPC
SIB-SC-E04-6-7-08/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.286	BJK	0.286	UJ	MBL,EMPC
SIB-SC-E04-7-8-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.644	BJK	0.644	UJ	MBL,EBL,EMPC
SIB-SC-E04-7-8-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.48	BJ	1.48	U	MBL,EBL
SIB-SC-E04-7-8-08/08/2022	OCTACHLORODIBENZO-P-DIOXIN	27.4	B	27.4	U	MBL
SIB-SC-E04-8-9-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.426	BJ	0.426	U	MBL,EBL
SIB-SC-E04-8-9-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.226	BJK	0.226	UJ	MBL,EBL,EMPC
SIB-SC-E04-8-9-08/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.394	BJK	0.394	UJ	MBL,EMPC
SIB-SC-E04-8-9-08/08/2022	OCTACHLORODIBENZO-P-DIOXIN	19.3	B	19.3	U	MBL
SIB-SC-E04-9-10-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.372	BJ	0.372	U	MBL,EBL
SIB-SC-E04-9-10-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.198	BJK	0.198	UJ	MBL,EBL,EMPC
SIB-SC-E04-9-10-08/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.428	BJK	0.428	UJ	MBL,EMPC
SIB-SC-F04-6-7-08/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.11	JK	1.11	J	EMPC
SIB-SC-F04-6-7-08/11/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.457	BJ	0.457	U	MBL
SIB-SC-F04-6-7-08/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.569	BJ	0.569	U	MBL
SIB-SC-F04-7-8-08/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.425	BJK	0.425	UJ	MBL,EBL,EMPC
SIB-SC-F04-7-8-08/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.382	BJK	0.382	UJ	MBL,EMPC
SIB-SC-F04-7-8-08/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.437	JK	0.437	J	EMPC
SIB-SC-F04-7-8-08/11/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.276	JK	0.276	J	EMPC
SIB-SC-F04-7-8-08/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.342	BJK	0.342	UJ	MBL,EMPC
SIB-SC-F04-8-9-08/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.781	JK	0.781	J	EMPC
SIB-SC-F04-8-9-08/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.395	JK	0.395	J	EMPC
SIB-SC-F04-8-9-08/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.797	JK	0.797	J	EMPC
SIB-SC-F04-8-9-08/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.535	BJ	0.535	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F04-9-10-08/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.201	BJ	0.201	U	MBL,EBL
SIB-SC-F04-9-10-08/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.355	BJK	0.355	UJ	MBL,EMPC
SIB-SC-F04-9-10-08/11/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.233	JK	0.233	J	EMPC
SIB-SC-F04-9-10-08/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.482	BJK	0.482	UJ	MBL,EMPC
SIB-SC-F04-10-11-08/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.234	BJK	0.234	UJ	MBL,EBL,EMPC
SIB-SC-F04-10-11-08/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.337	JK	0.337	J	EMPC
SIB-SC-F04-10-11-08/11/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.228	BJK	0.228	UJ	MBL,EMPC
SIB-SC-F04-10-11-08/11/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.184	JK	0.184	J	EMPC
SIB-SC-F04-10-11-08/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.43	BJ	0.43	U	MBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21229
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.22.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C25-11-12-07/11/2022	21229001	Sediment
SIB-SC-C25-12-13-07/11/2022	21229002	Sediment
SIB-SC-C28-11-12-07/09/2022	21229003	Sediment
SIB-SC-C28-12-13-07/09/2022	21229004	Sediment
SIB-SC-C30-11-12-07/09/2022	21229005	Sediment
SIB-SC-C30-12-12.6-07/09/2022	21229006	Sediment
SIB-SC-C31-11-12-07/10/2022	21229007	Sediment
SIB-SC-C31-12-12.9-07/10/2022	21229008	Sediment
SIB-SC-D30-9-10-07/09/2022	21229009	Sediment
SIB-SC-D30-10-10.5-07/09/2022	21229010	Sediment
SIB-SC-D31-12-13-07/09/2022	21229011	Sediment
SIB-SC-D31-13-13.4-07/09/2022	21229012	Sediment
SIB-SC-E24-11-12-07/12/2022	21229013	Sediment
SIB-SC-E24-12-13-07/12/2022	21229014	Sediment
SIB-SC-E25-10-11-07/12/2022	21229015	Sediment
SIB-SC-E25-11-11.6-07/12/2022	21229016	Sediment
SIB-SC-E28-6-7-07/10/2022	21229017	Sediment
SIB-SC-E29-6-6.6-07/10/2022	21229018	Sediment
SIB-SC-E31-11-12-07/09/2022	21229019	Sediment
SIB-SC-E31-12-13-07/09/2022	21229020	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8,9-OCDD at 0.678 pg/g, leading to a qualification limit of 3.39 pg/g
- 2,3,7,8-TCDF at 0.258 pg/g, leading to a qualification limit of 1.29 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.316 pg/g, leading to a qualification limit of 1.58 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 2,3,7,8-TCDF results in samples SIB-SC-C25-11-12-07/11/2022 and SIB-SC-E31-11-12-07/09/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E28-6-7-07/10/2022 and SIB-SC-E29-6-6-07/10/2022

Rinse Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-C25-11-12-07/11/2022. The MS and MSD had high %R for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF. For 1,2,3,4,6,7,8,9-OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The MS/MSD pair showed high RPDs for 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDD. For sample SIB-SC-C25-11-12-07/11/2022, the 1,2,3,4,6,7,8-HpCDD result should be qualified J-MSH,MSP, the 1,2,3,4,6,7,8,9-OCDD result should be qualified J-MSP, and the 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF results should be qualified J-MSH.

Qualification: For sample SIB-SC-C25-11-12-07/11/2022, the 1,2,3,4,6,7,8-HpCDD result is qualified J-MSH,MSP, the 1,2,3,4,6,7,8,9-OCDD result is qualified J-MSP, and the 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF results are qualified J-MSH.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 13 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Thirteen OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C25-11-12-07/11/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	117	--	117	J	MSH
SIB-SC-C25-11-12-07/11/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	347	--	347	J	MSH,MSP
SIB-SC-C25-11-12-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.81	JK	1.81	J	EMPC
SIB-SC-C25-11-12-07/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.79	K	5.79	J	EMPC
SIB-SC-C25-11-12-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.868	BJK	0.868	UJ	MBL,EMPC
SIB-SC-C25-11-12-07/11/2022	OCTACHLORODIBENZOFURAN	408	--	408	J	MSH
SIB-SC-C25-11-12-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	5250	E	5250	J	MSP,ACR
SIB-SC-C25-12-13-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.94	JK	0.94	J	EMPC
SIB-SC-C25-12-13-07/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.1	JK	1.1	J	EMPC
SIB-SC-C25-12-13-07/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.702	JK	0.702	J	EMPC
SIB-SC-C25-12-13-07/11/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.05	JK	1.05	J	EMPC
SIB-SC-C28-11-12-07/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.13	JK	3.13	J	EMPC
SIB-SC-C28-11-12-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.24	K	3.24	J	EMPC
SIB-SC-C28-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.55	--	4.55	DNR	EXC
SIB-SC-C28-11-12-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	5530	E	5530	J	ACR
SIB-SC-C28-12-13-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.585	JK	0.585	J	EMPC
SIB-SC-C30-11-12-07/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.4	K	10.4	J	EMPC
SIB-SC-C30-11-12-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.42	JK	2.42	J	EMPC
SIB-SC-C30-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.04	K	4.04	DNR	EXC
SIB-SC-C30-11-12-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	9270	E	9270	J	ACR
SIB-SC-C30-12-12.6-07/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.76	JK	4.76	J	EMPC
SIB-SC-C30-12-12.6-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.45	JK	2.45	J	EMPC
SIB-SC-C30-12-12.6-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.7	K	16.7	J	EMPC
SIB-SC-C30-12-12.6-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.96	K	3.96	J	EMPC
SIB-SC-C30-12-12.6-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.45	--	4.45	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C30-12-12.6-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	11700	E	11700	J	ACR
SIB-SC-C31-11-12-07/10/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.98	JK	4.98	J	EMPC
SIB-SC-C31-11-12-07/10/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.87	JK	2.87	J	EMPC
SIB-SC-C31-11-12-07/10/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.71	K	3.71	J	EMPC
SIB-SC-C31-11-12-07/10/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.48	--	4.48	DNR	EXC
SIB-SC-C31-11-12-07/10/2022	OCTACHLORODIBENZO-P-DIOXIN	12100	E	12100	J	ACR
SIB-SC-C31-12-12.9-07/10/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	10.4	K	10.4	J	EMPC
SIB-SC-C31-12-12.9-07/10/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	16.3	K	16.3	J	EMPC
SIB-SC-C31-12-12.9-07/10/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.57	K	4.57	DNR	EXC
SIB-SC-C31-12-12.9-07/10/2022	OCTACHLORODIBENZO-P-DIOXIN	12000	E	12000	J	ACR
SIB-SC-D30-9-10-07/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.91	JK	2.91	J	EMPC
SIB-SC-D30-9-10-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.47	JK	1.47	J	EMPC
SIB-SC-D30-9-10-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.96	--	2.96	DNR	EXC
SIB-SC-D30-9-10-07/09/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.01	K	1.01	J	EMPC
SIB-SC-D30-9-10-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	5260	E	5260	J	ACR
SIB-SC-D30-10-10.5-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.65	K	6.65	J	EMPC
SIB-SC-D30-10-10.5-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	8.25	--	8.25	DNR	EXC
SIB-SC-D30-10-10.5-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	13700	E	13700	J	ACR
SIB-SC-D31-12-13-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.52	JK	4.52	J	EMPC
SIB-SC-D31-12-13-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.19	--	4.19	DNR	EXC
SIB-SC-D31-12-13-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	7340	E	7340	J	ACR
SIB-SC-D31-13-13.4-07/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.5	JK	3.5	J	EMPC
SIB-SC-D31-13-13.4-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.53	K	3.53	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D31-13-13.4-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	B	1.96	DNR	EXC
SIB-SC-D31-13-13.4-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.41	BK	1.41	J	EMPC
SIB-SC-D31-13-13.4-07/09/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.05	K	1.05	J	EMPC
SIB-SC-D31-13-13.4-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	5930	E	5930	J	ACR
SIB-SC-E24-11-12-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.05	JK	2.05	J	EMPC
SIB-SC-E24-11-12-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	9.08	--	9.08	DNR	EXC
SIB-SC-E24-12-13-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.03	JK	3.03	J	EMPC
SIB-SC-E24-12-13-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.13	--	4.13	DNR	EXC
SIB-SC-E24-12-13-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.11	K	3.11	J	EMPC
SIB-SC-E24-12-13-07/12/2022	OCTACHLORODIBENZO-P-DIOXIN	6940	E	6940	J	ACR
SIB-SC-E25-10-11-07/12/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.51	JK	1.51	J	EMPC
SIB-SC-E25-10-11-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.22	JK	2.22	J	EMPC
SIB-SC-E25-10-11-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.28	B	2.28	DNR	EXC
SIB-SC-E25-10-11-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	BK	1.51	J	EMPC
SIB-SC-E25-11-11.6-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.01	--	3.01	DNR	EXC
SIB-SC-E25-11-11.6-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.06	BK	2.06	J	EMPC
SIB-SC-E25-11-11.6-07/12/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.876	K	0.876	J	EMPC
SIB-SC-E25-11-11.6-07/12/2022	OCTACHLORODIBENZO-P-DIOXIN	11700	E	11700	J	ACR
SIB-SC-E28-6-7-07/10/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.271	BJK	0.271	UJ	MBL,EMPC
SIB-SC-E29-6-6.6-07/10/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.662	BJ	0.662	U	MBL
SIB-SC-E29-6-6.6-07/10/2022	OCTACHLORODIBENZOFURAN	1.22	JK	1.22	J	EMPC
SIB-SC-E31-11-12-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.859	JK	0.859	J	EMPC
SIB-SC-E31-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.29	B	1.29	DNR	EXC
SIB-SC-E31-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.909	BJK	0.909	UJ	MBL,EMPC
SIB-SC-E31-12-13-07/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.59	JK	2.59	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E31-12-13-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.66	BK	1.66	DNR	EXC
SIB-SC-E31-12-13-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.41	BK	1.41	J	EMPC
SIB-SC-E31-12-13-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	6970	E	6970	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21230
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.11.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E32-11-12-07/09/2022	21230001	Sediment
SIB-SC-E32-12-12.6-07/09/2022	21230002	Sediment
SIB-SC-F08-6-7-07/14/2022	21230003	Sediment
SIB-SC-F08-7-8-07/14/2022	21230004	Sediment
SIB-SC-F08-8-9-07/14/2022	21230005	Sediment
SIB-SC-F08-9-10-07/14/2022	21230006	Sediment
SIB-SC-F08-10-11-07/14/2022	21230007	Sediment
SIB-SC-G06-6-7-07/14/2022	21230008	Sediment
SIB-SC-G06-7-8-07/14/2022	21230009	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – With the exception of several labeling discrepancies, which were resolved, all samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several analytes. See table below for analyte-specific contamination levels and qualification limits. Any detections in associated samples at or below the qualification limits should be qualified U-MBL.

Analyte	Result (pg/g)	Qualification Limit (pg/g)
1,2,3,4,6,7,8-HpCDD	0.310	1.55
1,2,3,4,6,7,8,9-OCDD	6.43	32.15
2,3,7,8-TCDF	0.144	0.72
1,2,3,7,8-PeCDF	0.110	0.55
1,2,3,4,7,8-HxCDF	0.16	0.8

Analyte	Result (pg/g)	Qualification Limit (pg/g)
1,2,3,6,7,8-HxCDF	0.078	0.39
1,2,3,4,6,7,8-HpCDF	0.278	1.39
1,2,3,4,6,7,8,9-OCDF	0.26	1.3

Qualification: The 1,2,3,4,6,7,8,9-OCDD results in samples SIB-SC-F08-7-8-07/14/2022 and SIB-SC-F08-8-9-07/14/2022; the 2,3,7,8-TCDF results in samples SIB-SC-F08-6-7-07/14/2022, SIB-SC-F08-7-8-07/14/2022, SIB-SC-F08-9-10-07/14/2022, and SIB-SC-F08-10-11-07/14/2022; the 1,2,3,7,8-PeCDF results in samples SIB-SC-F08-6-7-07/14/2022 and SIB-SC-G06-6-7-07/14/2022; the 1,2,3,4,7,8-HxCDF results in samples SIB-SC-F08-6-7-07/14/2022, SIB-SC-F08-9-10-07/14/2022, SIB-SC-F08-10-11-07/14/2022, and SIB-SC-G06-7-8-07/14/2022; the 1,2,3,6,7,8-HxCDF result in sample SIB-SC-F08-6-7-07/14/2022; the 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-F08-6-7-07/14/2022, SIB-SC-F08-7-8-07/14/2022, SIB-SC-F08-9-10-07/14/2022, and SIB-SC-F08-10-11-07/14/2022; and the 1,2,3,4,6,7,8,9-OCDF result in sample SIB-SC-F08-6-7-07/14/2022 are qualified U-MBL. Note that the “detect_flag” field in the EDD is changed from “Y” to “N” for the affected results.

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/9/22. The rinse blank was free from contamination.

Rinse blank EB02-07/13/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/14/22. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD was performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative.

In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 2 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Two OCDD results reported with laboratory qualifiers of E are qualified J with reason code ACR; note that the reportable_result field for these results is populated with "No" by the laboratory and is changed to "Yes" for the affected results.
- One total heptachloro-p-dioxin result reported with a laboratory qualifier of E has the reportable_result field populated with "No" by the laboratory and is changed to "Yes". Although total congener results are not validated, this result is reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E32-11-12-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.26	K	6.26	J	EMPC
SIB-SC-E32-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.26	--	5.26	DNR	EXC
SIB-SC-E32-11-12-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	6.24	K	6.24	J	EMPC
SIB-SC-E32-11-12-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	10000	E	10000	J	ACR
SIB-SC-E32-12-12.6-07/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.74	K	5.74	J	EMPC
SIB-SC-E32-12-12.6-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.33	K	3.33	DNR	EXC
SIB-SC-E32-12-12.6-07/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.38	K	4.38	J	EMPC
SIB-SC-E32-12-12.6-07/09/2022	OCTACHLORODIBENZO-P-DIOXIN	13100	E	13100	J	ACR
SIB-SC-F08-6-7-07/14/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.11	BJK	1.11	UJ	MBL,EMPC
SIB-SC-F08-6-7-07/14/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.292	BJK	0.292	UJ	MBL,EMPC
SIB-SC-F08-6-7-07/14/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.212	BJ	0.212	U	MBL
SIB-SC-F08-6-7-07/14/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.216	BJK	0.216	UJ	MBL,EMPC
SIB-SC-F08-6-7-07/14/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.278	BJ	0.278	U	MBL
SIB-SC-F08-6-7-07/14/2022	OCTACHLORODIBENZOFURAN	1.3	BJ	1.3	U	MBL
SIB-SC-F08-7-8-07/14/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.5	BJK	0.5	UJ	MBL,EMPC
SIB-SC-F08-7-8-07/14/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.258	BJ	0.258	U	MBL
SIB-SC-F08-7-8-07/14/2022	OCTACHLORODIBENZO-P-DIOXIN	24.8	B	24.8	U	MBL
SIB-SC-F08-8-9-07/14/2022	OCTACHLORODIBENZO-P-DIOXIN	26.5	B	26.5	U	MBL
SIB-SC-F08-9-10-07/14/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.454	BJK	0.454	UJ	MBL,EMPC
SIB-SC-F08-9-10-07/14/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.15	BJK	0.15	UJ	MBL,EMPC
SIB-SC-F08-9-10-07/14/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.282	BJ	0.282	U	MBL
SIB-SC-F08-10-11-07/14/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.444	BJ	0.444	U	MBL
SIB-SC-F08-10-11-07/14/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.174	BJ	0.174	U	MBL
SIB-SC-F08-10-11-07/14/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.306	BJ	0.306	U	MBL
SIB-SC-G06-6-7-07/14/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.5	BJ	0.5	U	MBL
SIB-SC-G06-6-7-07/14/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.462	JK	0.462	J	EMPC
SIB-SC-G06-7-8-07/14/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.394	BJ	0.394	U	MBL
SIB-SC-G06-7-8-07/14/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.516	JK	0.516	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21265
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.07.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D13-6-7-08/02/2022	21265001	Sediment
SIB-SC-D13-7-8-08/02/2022	21265002	Sediment
SIB-SC-D14-9-10-08/02/2022	21265003	Sediment
SIB-SC-D14-10-11-08/02/2022	21265004	Sediment
SIB-SC-D35-18-19-08/04/2022	21265005	Sediment
SIB-SC-D35-19-19.5-08/04/2022	21265006	Sediment
SIB-SC-E03-6-7-08/17/2022	21265007	Sediment
SIB-SC-E03-7-8-08/17/2022	21265008	Sediment
SIB-SC-E03-8-9-08/17/2022	21265009	Sediment
SIB-SC-E03-9-10-08/17/2022	21265010	Sediment
SIB-SC-E08-6-7-08/05/2022	21265011	Sediment
SIB-SC-E08-7-8-08/05/2022	21265012	Sediment
SIB-SC-F02-10-11-08/18/2022	21265013	Sediment
SIB-SC-F02-11-11.8-08/18/2022	21265014	Sediment
SIB-SC-F03-12-13-08/18/2022	21265015	Sediment
SIB-SC-F03-13-13.8-08/18/2022	21265016	Sediment
SIB-SC-F13-6-7-08/08/2022	21265017	Sediment
SIB-SC-F14-6-7-08/08/2022	21265018	Sediment
SIB-SC-F14-9-10-08/08/2022	21265019	Sediment
SIB-SC-F14-10-11-08/08/2022	21265020	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8,9-OCDD at 0.856 pg/g, leading to a qualification limit of 4.28 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.292 pg/g, leading to a qualification limit of 1.46 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-E03-9-10-08/17/2022, SIB-SC-E08-6-7-08/05/2022, SIB-SC-E08-7-8-08/05/2022, SIB-SC-F13-6-7-08/08/2022, SIB-SC-F14-9-10-08/08/2022, and SIB-SC-F14-10-11-08/08/2022

Rinse Blanks – Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/02/2022, 08/04/2022, and 08/05/2022. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/08/2022. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395 pg/g
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/17/2022 and 08/18/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,7,8-HxCDF result in sample SIB-SC-F14-6-7-08/08/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-F13-6-7-08/08/2022, SIB-SC-F14-9-10-08/08/2022, and SIB-SC-F14-10-11-08/08/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-D13-6-7-08/02/2022. The MS had a %R outside of control limits for 1,2,3,4,6,7,8,9-OCDD, however, the sample concentrations were >4x the spike concentration and the %R results are not applicable. All RPDs were within control limits.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 6 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Six OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D13-6-7-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.48	JK	1.48	J	EMPC
SIB-SC-D13-6-7-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.583	JK	0.583	J	EMPC
SIB-SC-D13-6-7-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.778	JK	0.778	J	EMPC
SIB-SC-D13-6-7-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.3	JK	1.3	J	EMPC
SIB-SC-D13-6-7-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.946	JK	0.946	J	EMPC
SIB-SC-D13-7-8-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.851	JK	0.851	J	EMPC
SIB-SC-D13-7-8-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.542	JK	0.542	J	EMPC
SIB-SC-D13-7-8-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.68	JK	1.68	J	EMPC
SIB-SC-D13-7-8-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.713	JK	0.713	J	EMPC
SIB-SC-D14-9-10-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.779	JK	0.779	J	EMPC
SIB-SC-D14-9-10-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.981	JK	0.981	J	EMPC
SIB-SC-D14-9-10-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.805	JK	0.805	J	EMPC
SIB-SC-D14-9-10-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.248	JK	0.248	J	EMPC
SIB-SC-D14-9-10-08/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.477	JK	0.477	J	EMPC
SIB-SC-D14-10-11-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.31	JK	1.31	J	EMPC
SIB-SC-D14-10-11-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.378	JK	0.378	J	EMPC
SIB-SC-D35-18-19-08/04/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.94	K	4.94	J	EMPC
SIB-SC-D35-18-19-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	6.63	--	6.63	DNR	EXC
SIB-SC-D35-18-19-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	10500	E	10500	J	ACR
SIB-SC-D35-19-19.5-08/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.44	JK	4.44	J	EMPC
SIB-SC-D35-19-19.5-08/04/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.73	JK	1.73	J	EMPC
SIB-SC-D35-19-19.5-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.08	--	2.08	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D35-19-19.5-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	4570	E	4570	J	ACR
SIB-SC-D35-19-19.5-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.48	K	1.48	J	EMPC
SIB-SC-E03-6-7-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.07	K	1.07	J	EMPC
SIB-SC-E03-6-7-08/17/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.4	K	12.4	J	EMPC
SIB-SC-E03-6-7-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.7	JK	3.7	J	EMPC
SIB-SC-E03-6-7-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	--	1.51	DNR	EXC
SIB-SC-E03-6-7-08/17/2022	OCTACHLORODIBENZO-P-DIOXIN	4300	E	4300	J	ACR
SIB-SC-E03-7-8-08/17/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.751	JK	0.751	J	EMPC
SIB-SC-E03-7-8-08/17/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.21	JK	2.21	J	EMPC
SIB-SC-E03-7-8-08/17/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.31	JK	1.31	J	EMPC
SIB-SC-E03-7-8-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.607	JK	0.607	J	EMPC
SIB-SC-E03-7-8-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.561	JK	0.561	J	EMPC
SIB-SC-E03-7-8-08/17/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.42	JK	2.42	J	EMPC
SIB-SC-E03-7-8-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.04	--	1.04	DNR	EXC
SIB-SC-E03-7-8-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.865	JK	0.865	J	EMPC
SIB-SC-E03-8-9-08/17/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.6	JK	1.6	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.863	JK	0.863	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.15	K	1.15	DNR	EXC
SIB-SC-E03-8-9-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.621	JK	0.621	J	EMPC
SIB-SC-E03-9-10-08/17/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.893	BJ	0.893	U	MBL
SIB-SC-E03-9-10-08/17/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.87	JK	2.87	J	EMPC
SIB-SC-E03-9-10-08/17/2022	OCTACHLORODIBENZOFURAN	1.08	JK	1.08	J	EMPC
SIB-SC-E08-6-7-08/05/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.586	BJK	0.586	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	OCTACHLORODIBENZOFURAN	0.886	JK	0.886	J	EMPC
SIB-SC-E08-7-8-08/05/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.685	BJK	0.685	UJ	MBL,EMPC
SIB-SC-F02-10-11-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.3	K	1.3	J	EMPC
SIB-SC-F02-10-11-08/18/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.979	JK	0.979	J	EMPC
SIB-SC-F02-10-11-08/18/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.28	JK	1.28	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.13	--	2.13	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F02-11-11.8-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.1	K	1.1	J	EMPC
SIB-SC-F02-11-11.8-08/18/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.69	K	6.69	J	EMPC
SIB-SC-F02-11-11.8-08/18/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.61	JK	2.61	J	EMPC
SIB-SC-F02-11-11.8-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.95	K	1.95	DNR	EXC
SIB-SC-F02-11-11.8-08/18/2022	OCTACHLORODIBENZO-P-DIOXIN	5410	E	5410	J	ACR
SIB-SC-F03-12-13-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.57	K	4.57	J	EMPC
SIB-SC-F03-12-13-08/18/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.17	K	8.17	J	EMPC
SIB-SC-F03-12-13-08/18/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	6.6	K	6.6	J	EMPC
SIB-SC-F03-12-13-08/18/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.09	K	5.09	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.18	--	5.18	DNR	EXC
SIB-SC-F03-12-13-08/18/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.07	K	4.07	J	EMPC
SIB-SC-F03-12-13-08/18/2022	OCTACHLORODIBENZO-P-DIOXIN	9390	E	9390	J	ACR
SIB-SC-F03-13-13.8-08/18/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	4.32	JK	4.32	J	EMPC
SIB-SC-F03-13-13.8-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.6	--	3.6	DNR	EXC
SIB-SC-F03-13-13.8-08/18/2022	OCTACHLORODIBENZO-P-DIOXIN	8290	E	8290	J	ACR
SIB-SC-F13-6-7-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.637	BJK	0.637	UJ	MBL,EBL,EMPC
SIB-SC-F14-6-7-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.304	JK	0.304	UJ	EBL,EMPC
SIB-SC-F14-9-10-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.456	BJK	0.456	UJ	MBL,EBL,EMPC
SIB-SC-F14-10-11-08/08/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.482	BJ	0.482	U	MBL,EBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21266
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.22.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.19.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-F35-18-19-08/05/2022	21266001	Sediment
SIB-SC-F35-19-19.5-08/05/2022	21266002	Sediment
SIB-SC-H02-10-11-08/18/2022	21266003	Sediment
SIB-SC-H02-11-11.6-08/18/2022	21266004	Sediment
SIB-SC-G02-6-7-08/18/2022	21266005	Sediment
SIB-SC-H06-6-7-07/26/2022	21266006	Sediment
SIB-SC-H08-7-8-07/26/2022	21266007	Sediment
SIB-SC-H08-8-8.3-07/26/2022	21266008	Sediment
SIB-SC-H07-6-7-07/26/2022	21266009	Sediment
SIB-SC-H08-6-7-07/26/2022	21266010	Sediment
SIB-SC-M04-6-7-08/23/2022	21266011	Sediment
SIB-SC-M04-7-7.9-08/23/2022	21266012	Sediment
SIB-SC-N00-15-16-08/25/2022	21266013	Sediment
SIB-SC-N00-16-16.8-08/25/2022	21266014	Sediment
SIB-SC-N03-6-7-08/10/2022	21266015	Sediment
SIB-SC-N03-7-8-08/10/2022	21266016	Sediment
SIB-SC-N03-8-8.8-08/10/2022	21266017	Sediment
SIB-SC-O04-6-7-08/25/2022	21266018	Sediment
SIB-SC-O04-7-8-08/25/2022	21266019	Sediment
SIB-SC-O04-8-9-08/25/2022	21266020	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8,9-OCDD at 0.616 pg/g, leading to a qualification limit of 3.08 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.34 pg/g, leading to a qualification limit of 1.7 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- **The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-H06-6-7-07/26/2022, SIB-SC-H08-7-8-07/26/2022, SIB-SC-H08-8-8.3-07/26/2022, SIB-SC-H07-6-7-07/26/2022, and SIB-SC-O04-8-9-08/25/2022**

Rinse Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG that were sampled on 7/26/22. The rinse blank was free from contamination.

Rinse blank EB06-08/04/2022 (results reported in SDG 202187) is associated with all samples with results reported in this SDG that were sampled on 8/5/22. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 8/10/23. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/18/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 8/23/22 and 8/25/22. The rinse blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g

- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD results in samples SIB-SC-O04-6-7-08/25/2022 and SIB-SC-O04-7-8-08/25/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-M04-7-7.9-08/23/2022, SIB-SC-O04-6-7-08/25/2022, and SIB-SC-O04-7-8-08/25/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-F35-18-19-08/05/2022. The MS and MSD had %R outside of control limits for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8,9-OCDF, however, the sample concentrations were >4x the spike concentration and the %R results are not applicable. All RPDs were within control limits.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 8 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Eight OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.
- Four total heptachloro-p-dioxin results reported with a laboratory qualifier of E have the reportable_result field populated with “No” by the laboratory and are changed to “Yes”. Although total congener results are not validated, these results are reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F35-18-19-08/05/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.49	K	5.49	J	EMPC
SIB-SC-F35-18-19-08/05/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	13.6	K	13.6	J	EMPC
SIB-SC-F35-18-19-08/05/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	K	1.85	J	EMPC
SIB-SC-F35-18-19-08/05/2022	OCTACHLORODIBENZO-P-DIOXIN	17900	E	17900	J	ACR
SIB-SC-F35-19-19.5-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.33	K	3.33	J	EMPC
SIB-SC-F35-19-19.5-08/05/2022	OCTACHLORODIBENZO-P-DIOXIN	19400	E	19400	J	ACR
SIB-SC-H02-10-11-08/18/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.881	JK	0.881	J	EMPC
SIB-SC-H02-10-11-08/18/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.53	JK	0.53	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.432	JK	0.432	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.506	JK	0.506	J	EMPC
SIB-SC-H02-11-11.6-08/18/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.06	JK	1.06	J	EMPC
SIB-SC-H02-11-11.6-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.878	JK	0.878	J	EMPC
SIB-SC-G02-6-7-08/18/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.374	JK	0.374	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.52	JK	0.52	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.446	JK	0.446	J	EMPC
SIB-SC-H06-6-7-07/26/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.564	BJ	0.564	U	MBL
SIB-SC-H06-6-7-07/26/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.2	JK	1.2	J	EMPC
SIB-SC-H08-7-8-07/26/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.54	BJ	0.54	U	MBL
SIB-SC-H08-7-8-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.17	JK	0.17	J	EMPC
SIB-SC-H08-7-8-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.254	JK	0.254	J	EMPC
SIB-SC-H08-8-8.3-07/26/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.366	BJK	0.366	UJ	MBL,EMPC
SIB-SC-H08-8-8.3-07/26/2022	OCTACHLORODIBENZOFURAN	0.558	JK	0.558	J	EMPC
SIB-SC-H07-6-7-07/26/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.5	BJ	0.5	U	MBL
SIB-SC-H07-6-7-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.236	JK	0.236	J	EMPC
SIB-SC-H08-6-7-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.271	JK	0.271	J	EMPC
SIB-SC-H08-6-7-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.178	JK	0.178	J	EMPC
SIB-SC-H08-6-7-07/26/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.186	JK	0.186	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-M04-6-7-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	14600	E	14600	J	ACR
SIB-SC-M04-7-7.9-08/23/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.81	K	5.81	J	EMPC
SIB-SC-M04-7-7.9-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.99	JK	4.99	J	EMPC
SIB-SC-M04-7-7.9-08/23/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.16	JK	2.16	J	EMPC
SIB-SC-M04-7-7.9-08/23/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	5.31	K	5.31	J	EMPC
SIB-SC-M04-7-7.9-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.28	J	1.28	U	EBL
SIB-SC-M04-7-7.9-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	4670	E	4670	J	ACR
SIB-SC-N00-15-16-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.91	JK	4.91	J	EMPC
SIB-SC-N00-15-16-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.66	K	4.66	J	EMPC
SIB-SC-N00-15-16-08/25/2022	OCTACHLORODIBENZO-P-DIOXIN	12200	E	12200	J	ACR
SIB-SC-N00-16-16.8-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.3	JK	2.3	J	EMPC
SIB-SC-N00-16-16.8-08/25/2022	OCTACHLORODIBENZO-P-DIOXIN	6640	E	6640	J	ACR
SIB-SC-N03-6-7-08/10/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.9	JK	3.9	J	EMPC
SIB-SC-N03-6-7-08/10/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.46	JK	2.46	J	EMPC
SIB-SC-N03-6-7-08/10/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.46	K	1.46	J	EMPC
SIB-SC-N03-6-7-08/10/2022	OCTACHLORODIBENZO-P-DIOXIN	6680	E	6680	J	ACR
SIB-SC-N03-7-8-08/10/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.2	JK	2.2	J	EMPC
SIB-SC-N03-7-8-08/10/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.1	K	1.1	J	EMPC
SIB-SC-N03-7-8-08/10/2022	OCTACHLORODIBENZO-P-DIOXIN	6710	E	6710	J	ACR
SIB-SC-N03-8-8.8-08/10/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.453	JK	0.453	J	EMPC
SIB-SC-N03-8-8.8-08/10/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.405	JK	0.405	J	EMPC
SIB-SC-N03-8-8.8-08/10/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.79	JK	0.79	J	EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.83	JK	1.83	J	EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.67	JK	1.67	J	EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.32	JK	1.32	J	EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.02	K	5.02	J	EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.606	JK	0.606	UJ	EBL,EMPC
SIB-SC-O04-6-7-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.894	JK	0.894	UJ	EBL,EMPC
SIB-SC-O04-6-7-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.27	JK	1.27	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.514	K	0.514	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-O04-7-8-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.06	JK	1.06	J	EMPC
SIB-SC-O04-7-8-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.81	JK	4.81	J	EMPC
SIB-SC-O04-7-8-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.09	J	1.09	U	EBL
SIB-SC-O04-7-8-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.03	J	1.03	U	EBL
SIB-SC-O04-8-9-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.734	BJ	0.734	U	MBL
SIB-SC-O04-8-9-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.62	JK	2.62	J	EMPC
SIB-SC-O04-8-9-08/25/2022	OCTACHLORODIBENZOFURAN	1.24	JK	1.24	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21267
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.20.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-R02-6-7-08/22/2022	21267001	Sediment
SIB-SC-R02-7-8-08/22/2022	21267002	Sediment
SIB-SC-R02-8-9-08/22/2022	21267003	Sediment
SIB-SC-R06-10-11-08/22/2022	21267004	Sediment
SIB-SC-R06-11-11.6-08/22/2022	21267005	Sediment
SIB-SC-R04-7-8-08/22/2022	21267006	Sediment
SIB-SC-R04-8-9-08/22/2022	21267007	Sediment
SIB-SC-R04-12-13-08/22/2022	21267008	Sediment
SIB-SC-R04-13-13.7-08/22/2022	21267009	Sediment
SIB-SC-R06-6-7-08/22/2022	21267010	Sediment
SIB-SC-R06-7-8-08/22/2022	21267011	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several target analytes including the following:

- 1,2,3,7,8-PeCDD at 0.11 pg/g, leading to a qualification limit of 0.55 pg/g
- 1,2,3,6,7,8-HxCDD at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g
- 1,2,3,7,8,9-HxCDD at 0.084 pg/g, leading to a qualification limit of 0.42 pg/g
- 1,2,3,4,6,7,8-HpCDD at 0.194 pg/g, leading to a qualification limit of 0.97 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.752 pg/g, leading to a qualification limit of 3.76 pg/g
- 2,3,7,8-TCDF at 0.162 pg/g, leading to a qualification limit of 0.81 pg/g
- 1,2,3,7,8-PeCDF at 0.134 pg/g, leading to a qualification limit of 0.67 pg/g
- 2,3,4,7,8-PeCDF at 0.094 pg/g, leading to a qualification limit of 0.47 pg/g

- 1,2,3,4,7,8-HxCDF at 0.144 pg/g, leading to a qualification limit of 0.72 pg/g
- 1,2,3,6,7,8-HxCDF at 0.098 pg/g, leading to a qualification limit of 0.49 pg/g
- 2,3,4,6,7,8-HxCDF at 0.086 pg/g, leading to a qualification limit of 0.43 pg/g
- 1,2,3,7,8,9-HxCDF at 0.082 pg/g, leading to a qualification limit of 0.41 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.356 pg/g, leading to a qualification limit of 1.78 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.31 pg/g, leading to a qualification limit of 1.55 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD result in sample SIB-SC-R04-12-13-08/22/2022
- The 1,2,3,6,7,8-HxCDD result in sample SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,7,8,9-HxCDD results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R06-11-11.6-08/22/2022
- The 2,3,7,8-TCDF results in samples SIB-SC-R02-7-8-08/22/2022, SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-13-13.7-08/22/2022
- The 2,3,4,7,8-PeCDF results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R06-11-11.6-08/22/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,6,7,8-HxCDF result in sample SIB-SC-R04-13-13.7-08/22/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,7,8,9-HxCDF result in sample SIB-SC-R04-12-13-08/22/2022,
- The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-R04-13-13.7-08/22/2022

Rinsate Blanks – Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples in this SDG. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD results in samples SIB-SC-R02-7-8-08/22/2022, SIB-SC-R04-7-8-08/22/2022, and SIB-SC-R04-12-13-08/22/2022
- The 1,2,3,4,7,8-HxCDD result in sample SIB-SC-R04-12-13-08/22/2022
- The 1,2,3,6,7,8-HxCDD results in samples SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,7,8,9-HxCDD results in samples SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-12-13-08/22/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-R02-6-7-08/22/2022, SIB-SC-R02-7-8-08/22/2022, SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, SIB-SC-R04-7-8-08/22/2022, SIB-SC-R04-12-13-08/22/2022, SIB-SC-R04-13-13.7-08/22/2022, SIB-SC-R06-6-7-08/22/2022, and SIB-SC-R06-7-8-08/22/2022
- The 2,3,4,7,8-PeCDF results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R06-11-11.6-08/22/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-R06-10-11-08/22/2022, SIB-SC-R06-11-11.6-08/22/2022, and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R04-13-13.7-08/22/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-R06-10-11-08/22/2022 and SIB-SC-R04-13-13.7-08/22/2022
- The 1,2,3,7,8,9-HxCDF result in sample SIB-SC-R04-12-13-08/22/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analysis was performed on sample SIB-SC-R02-6-7-08/22/2022. The 1,2,3,4,6,7,8,9-OCDD recovery was extremely low in the MS and high in the MSD, however, the sample concentration was >4x the spike concentration and the %R results are not applicable. All other %Rs and RPDs were within control limits.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative.

In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 2 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Two OCDD results reported with laboratory qualifiers of E are qualified J with reason code ACR; note that the reportable_result field for these results is populated with "No" by the laboratory and is changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R02-6-7-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.27	BJK	1.27	UJ	EBL,EMPC
SIB-SC-R02-6-7-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.62	B	1.62	DNR	EXC
SIB-SC-R02-6-7-08/22/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.971	K	0.971	J	EMPC
SIB-SC-R02-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.674	BJ	0.674	U	EBL
SIB-SC-R02-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.79	BJ	0.79	U	EBL
SIB-SC-R02-7-8-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.444	BJK	0.444	UJ	MBL,EMPC
SIB-SC-R02-7-8-08/22/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.61	K	0.61	J	EMPC
SIB-SC-R02-8-9-08/22/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.03	JK	2.03	J	EMPC
SIB-SC-R02-8-9-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.3	B	1.3	DNR	EXC
SIB-SC-R02-8-9-08/22/2022	OCTACHLORODIBENZO-P-DIOXIN	5420	E	5420	J	ACR
SIB-SC-R06-10-11-08/22/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.488	BJ	0.488	U	MBL,EBL
SIB-SC-R06-10-11-08/22/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.704	BJK	0.704	UJ	EBL,EMPC
SIB-SC-R06-10-11-08/22/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.664	BJ	0.664	U	EBL
SIB-SC-R06-10-11-08/22/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.404	BJK	0.404	UJ	MBL,EBL,EMPC
SIB-SC-R06-10-11-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.194	BJK	0.194	UJ	MBL,EBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.39	BJ	0.39	U	MBL,EBL
SIB-SC-R06-10-11-08/22/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.28	BJ	0.28	U	MBL,EBL
SIB-SC-R06-10-11-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.396	BJ	0.396	U	MBL
SIB-SC-R06-11-11.6-08/22/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.577	BJ	0.577	U	MBL,EBL
SIB-SC-R06-11-11.6-08/22/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.659	BJ	0.659	U	EBL
SIB-SC-R06-11-11.6-08/22/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.358	BJK	0.358	UJ	MBL,EBL,EMPC
SIB-SC-R06-11-11.6-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.266	BJ	0.266	U	MBL,EBL
SIB-SC-R06-11-11.6-08/22/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.643	BJK	0.643	J	EMPC
SIB-SC-R06-11-11.6-08/22/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.44	BJ	0.44	U	MBL,EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R06-11-11.6-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.348	BJ	0.348	U	MBL
SIB-SC-R04-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.998	BJ	0.998	U	EBL
SIB-SC-R04-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.17	JK	1.17	UJ	EBL,EMPC
SIB-SC-R04-7-8-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.1	B	1.1	DNR	EXC
SIB-SC-R04-7-8-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.02	BK	1.02	J	EMPC
SIB-SC-R04-8-9-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.17	JK	2.17	J	EMPC
SIB-SC-R04-8-9-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.51	K	2.51	J	EMPC
SIB-SC-R04-8-9-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.44		2.44	DNR	EXC
SIB-SC-R04-8-9-08/22/2022	OCTACHLORODIBENZO-P-DIOXIN	4680	E	4680	J	ACR
SIB-SC-R04-12-13-08/22/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.32	JK	0.32	UJ	EBL,EMPC
SIB-SC-R04-12-13-08/22/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.382	BJ	0.382	U	MBL,EBL
SIB-SC-R04-12-13-08/22/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.636	BJ	0.636	U	EBL
SIB-SC-R04-12-13-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.12	BJ	1.12	U	EBL
SIB-SC-R04-12-13-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.454	BJ	0.454	U	MBL,EBL
SIB-SC-R04-12-13-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	B	1.09	DNR	EXC
SIB-SC-R04-12-13-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.25	BK	1.25	J	EMPC
SIB-SC-R04-13-13.7-08/22/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.29	BJ	1.29	U	MBL
SIB-SC-R04-13-13.7-08/22/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.298	BJ	0.298	U	MBL,EBL
SIB-SC-R04-13-13.7-08/22/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.204	BJK	0.204	UJ	MBL,EBL,EMPC
SIB-SC-R04-13-13.7-08/22/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.144	BJ	0.144	U	MBL,EBL
SIB-SC-R04-13-13.7-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.28	BJK	0.28	UJ	MBL,EBL,EMPC
SIB-SC-R04-13-13.7-08/22/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.16	BJ	0.16	U	MBL,EBL
SIB-SC-R04-13-13.7-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.506	BJ	0.506	U	MBL
SIB-SC-R06-6-7-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.834	BJ	0.834	U	EBL
SIB-SC-R06-6-7-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.63	JK	1.63	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R06-6-7-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.92		3.92	DNR	EXC
SIB-SC-R06-6-7-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.21	K	4.21	J	EMPC
SIB-SC-R06-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.03	BJK	1.03	UJ	EBL,EMPC
SIB-SC-R06-7-8-08/22/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.4	JK	2.4	J	EMPC
SIB-SC-R06-7-8-08/22/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.31		4.31	DNR	EXC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21268
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.13.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.20.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D13-7-8-08/02/2022	21268001	Sediment
SIB-SC-D35-18-19-08/04/2022	21268002	Sediment
SIB-SC-E03-8-9-08/17/2022	21268003	Sediment
SIB-SC-E08-6-7-08/05/2022	21268004	Sediment
SIB-SC-F02-10-11-08/18/2022	21268005	Sediment
SIB-SC-F03-12-13-08/18/2022	21268006	Sediment
SIB-SC-F14-6-7-08/08/2022	21268007	Sediment
SIB-SC-H02-10-11-08/18/2022	21268008	Sediment
SIB-SC-G02-6-7-08/18/2022	21268009	Sediment
SIB-SC-H06-6-7-07/26/2022	21268010	Sediment
SIB-SC-H08-6-7-07/26/2022	21268011	Sediment
SIB-SC-M04-6-7-08/23/2022	21268012	Sediment
SIB-SC-N03-6-7-08/10/2022	21268013	Sediment
SIB-SC-O04-6-7-08/25/2022	21268014	Sediment
SIB-SC-O04-8-9-08/25/2022	21268015	Sediment
SIB-SC-R02-6-7-08/22/2022	21268016	Sediment
SIB-SC-R04-12-13-08/22/2022	21268017	Sediment
SIB-SC-R06-10-11-08/22/2022	21268018	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank associated with prep batch 52751 was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.46	17.3
PCB-11	26.5	132.5
PCB-18/30	2.38	11.9
PCB-20/28	4.44	22.2
PCB-31	3.46	17.3
PCB-44/47/65	5.48	27.4
PCB-45/51	1.96	9.8
PCB-49/69	2.42	12.1
PCB-52	4.76	23.8
PCB-56	2.46	12.3
PCB-61/70/74/76	6.78	33.9
PCB-66	4.08	20.4
PCB-86/87/97/109/119/125	4.46	22.3
PCB-90/101/113	4.34	21.7
PCB-95	5.14	25.7
PCB-99	2.04	10.2
PCB-105	1.88	9.4
PCB-110/115	4.76	23.8
PCB-118	3.18	15.9
PCB-129/138/163	3.3	16.5
PCB-135/151	1.82	9.1
PCB-147/149	3.14	15.7
PCB-153/168	2.38	11.9
PCB-156/157	1.78	8.9
PCB-167	1.28	6.4
PCB-174	1.38	6.9
PCB-180/193	1.68	8.4
PCB-187	1.04	5.2
PCB-190	1.06	5.3
PCB-194	2.26	11.3
PCB-197/200	1.06	5.3
PCB-198/199	1.38	6.9

The method 1668C method blank associated with prep batch 53005 was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-11	37.1	185.5
PCB-20/28	9.42	47.1
PCB-31	5.28	26.4
PCB-61/70/74/76	10.2	51
PCB-86/87/97/109/119/125	9.52	47.6
PCB-90/101/113	10.5	52.5
PCB-110/115	9.52	47.6
PCB-118	7.38	36.9
PCB-129/138/163	9.12	45.6

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-180/193	5.36	26.8

The following results are qualified U-MBL:

- SIB-SC-D13-7-8-08/02/2022: PCB-3, PCB-11
- SIB-SC-D35-18-19-08/04/2022: PCB-11
- SIB-SC-E03-8-9-08/17/2022: PCB-3, PCB-11, PCB-18/30, PCB-20/28, PCB-31, PCB-44/47/65, PCB-56, PCB-66, PCB-105, PCB-156/157
- SIB-SC-E08-6-7-08/05/2022: PCB-3, PCB-11, PCB-18/30, PCB-20/28, PCB-31, PCB-44/47/65, PCB-45/51, PCB-49/69, PCB-52, PCB-56, PCB-61/70/74/76, PCB-66, PCB-86/87/97/109/119/125, PCB-95, PCB-105, PCB-156/157, PCB-194, PCB-198/199
- SIB-SC-F02-10-11-08/18/2022: PCB-3, PCB-11
- SIB-SC-F14-6-7-08/08/2022: PCB-3, PCB-11
- SIB-SC-H02-10-11-08/18/2022: PCB-3, PCB-11, PCB-18/30, PCB-20/28, PCB-31, PCB-44/47/65, PCB-45/51, PCB-49/69, PCB-52, PCB-56, PCB-61/70/74/76, PCB-66, PCB-86/87/97/109/119/125, PCB-95, PCB-105, PCB-118
- SIB-SC-G02-6-7-08/18/2022: PCB-3
- SIB-SC-H06-6-7-07/26/2022: PCB-3, PCB-11, PCB-18/30, PCB-20/28, PCB-31, PCB-44/47/65, PCB-45/51, PCB-49/69, PCB-52, PCB-56, PCB-61/70/74/76, PCB-66, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-105, PCB-110/115, PCB-118, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168, PCB-174, PCB-180/193, PCB-187
- SIB-SC-H08-6-7-07/26/2022: PCB-3, PCB-11
- SIB-SC-M04-6-7-08/23/2022: PCB-11
- SIB-SC-O04-8-9-08/25/2022: PCB-3, PCB-156/157, PCB-167, PCB-194, PCB-197/200
- SIB-SC-R04-12-13-08/22/2022: PCB-3, PCB-11
- SIB-SC-R06-10-11-08/22/2022: PCB-3, PCB-11, PCB-167
- SIB-SC-F03-12-13-08/18/2022: PCB-11

Qualification: Detections of contaminated compounds detected below the qualification threshold are qualified U, reason code MBL. Affected results are listed above.

Trip Blanks – A trip blank was not submitted with the samples in this SDG.

Qualification: None required.

Equipment Blanks – Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected on 7.26.22; equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.2.22, 8.4.22, and 8.5.22; Equipment blank EB07-08092022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.8.22 and 8.10.22; equipment blank EB08-08212022 (results reported in SDG 20282) is associated with all sediment samples collected on 8.17.22 and 8.18.22; Equipment blank EB09-08242022 (results reported in SDG 20282) is associated with all sediment samples collected from 8.22.22 through 8.25.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB05-07262022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25
PCB-17	5.38	5.38	26.9
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

The following results were qualified U-EBL due to contamination in EB05-07262022

- SIB-SC-H06-6-7-07/26/2022: PCB-3, PCB-18/30, PCB-20/28, PCB-21/33, PCB-31, PCB-44/47/65, PCB-45/51, PCB-49/69, PCB-50/53, PCB-52, PCB-66, PCB-86/87/97/109/119/125, PCB-95, PCB-99, PCB-105, PCB-110/115, PCB-118, PCB-135/151, PCB-147/149, PCB-187
- SIB-SC-H08-6-7-07/26/2022: PCB-3, PCB-4

EB06-08042022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5
PCB-18/30	24	24	120

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

The following results were qualified U-EBL due to contamination in EB06-08042022

- SIB-SC-D13-7-8-08/02/2022: PCB-4, PCB-6, PCB-8, PCB-19, PCB-184
- SIB-SC-D35-18-19-08/04/2022: PCB-184
- SIB-SC-E08-6-7-08/05/2022: PCB-16, PCB-17, PCB-18/30, PCB-32, PCB-40/71, PCB-99, PCB-132

EB07-08092022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	40.7	40.7	203.5
PCB-8	38.5	38.5	192.5
PCB-15	13.3	13.3	66.5
PCB-16	11.1	11.1	55.5
PCB-17	11.3	11.3	56.5
PCB-18/30	25.7	25.7	128.5
PCB-19	5.74	5.74	28.7
PCB-25	1.73	1.73	8.65
PCB-32	6.77	6.77	33.85
PCB-35	3.12	3.12	15.6
PCB-40/71	7.38	7.38	36.9
PCB-54	1.85	1.85	9.25
PCB-99	8.01	8.01	40.05

The following results were qualified U-EBL due to contamination in EB07-08092022

- SIB-SC-F14-6-7-08/08/2022: PCB-4, PCB-8, PCB-15, PCB-16, PCB-18/30
- SIB-SC-N03-6-7-08/10/2022: PCB-4

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-11	659	659	3295
PCB-12/13	27.7	27.7	138.5
PCB-15	16.7	16.7	83.5
PCB-16	11.0	11.0	55.0
PCB-17	14.9	14.9	74.5
PCB-18/30	29.3	29.3	146.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022; PCB-11 results are qualified U-EBH:

- SIB-SC-E03-8-9-08/17/2022: PCB-11, PCB-18/30, PCB-40/71, PCB-84, PCB-92, PCB-99, PCB-132
- SIB-SC-F02-10-11-08/18/2022: PCB-8, PCB-11, PCB-18/30, PCB-19, PCB-32, PCB-35
- SIB-SC-F03-12-13-08/18/2022: PCB-4, PCB-11, PCB-16, PCB-17
- SIB-SC-H02-10-11-08/18/2022: PCB-11, PCB-18/30, PCB-84, PCB-92, PCB-99, PCB-132
- SIB-SC-G02-6-7-08/18/2022: PCB-8, PCB-11, PCB-16, PCB-18/30, PCB-19, PCB-27, PCB-32, PCB-35, PCB-48

EB09-08242022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.2	31.2	156
PCB-8	53.1	53.1	265.5
PCB-15	24.6	24.6	123
PCB-16	16.7	16.7	83.5
PCB-17	13.7	13.7	68.5
PCB-18/30	32.5	32.5	162.5
PCB-19	6.56	6.56	32.8
PCB-25	3.36	3.36	16.8
PCB-32	9.22	9.22	46.1
PCB-35	5.27	5.27	26.35
PCB-40/71	9.04	9.04	45.2
PCB-42	5.64	5.64	28.2
PCB-48	5.44	5.44	27.2
PCB-99	13.1	13.1	65.5
PCB-132	5.07	5.07	25.35
PCB-174	3.49	3.49	17.45
PCB-179	2.15	2.15	10.75
PCB-183/185	3.82	3.82	19.1
PCB-202	1.93	1.93	9.65

The following results were qualified U-EBL due to contamination in EB09-08242022

- SIB-SC-O04-6-7-08/25/2022: PCB-4, PCB-8, PCB-15, PCB-16, PCB-18/30, PCB-19, PCB-35

- **SIB-SC-004-8-9-08/25/2022: PCB-8, PCB-15, PCB-16, PCB-17, PCB-18/30, PCB-25, PCB-32, PCB-35, PCB-40/71, PCB-42, PCB-48, PCB-99, PCB-132, PCB-174, PCB-179, PCB-183/185, PCB-202**
- **SIB-SC-R02-6-7-08/22/2022: PCB-4, PCB-8**
- **SIB-SC-R04-12-13-08/22/2022: PCB-4, PCB-8, PCB-15, PCB-16, PCB-17, PCB-18/30, PCB-19, PCB-25, PCB-32**
- **SIB-SC-R06-10-11-08/22/2022: PCB-16, PCB-17, PCB-18/30, PCB-25, PCB-32, PCB-40/71, PCB-42, PCB-48, PCB-202**

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Two MS/MSD analyses were performed on two samples with this SDG. The MS/MSD performed on sample SIB-SC-D13-7-8-08/02/2022 in prep batch 52751 has %Rs and RPDs within control limits with the exception of PCB-105 and PCB-118 recovering extremely low in the MSD and yielding RPD values above control limits. For PCB-118, the sample concentration was >4x the spike concentration and the %R results are not applicable. The PCB-105 and PCB-118 results in the parent sample should be qualified J.

The MS/MSD performed on sample SIB-SC-F03-12-13-08/18/2022 in prep batch 53005. All %Rs were within control limits with the exception of PCB-37 and PCB-118. For PCB-118, the sample concentration was >4x the spike concentration and the %R results are not applicable. For PCB-37, the parent sample should be qualified J. All RPDs were within QAPP control limits with the exception of PCB-118. This result in the parent sample should be qualified J.

***Qualification:* In sample SIB-SC-D13-7-8-08/02/2022, the PCB-105 result is qualified J, reason code MSLX,MSP and the PCB-118 result is qualified J, reason code MSP. In sample SIB-SC-F03-12-13-08/18/2022, the PCB-37 result is qualified J, reason code MSH and the PCB-118 result is qualified J, reason code MSP.**

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

The PCB-1 result for sample SIB-SC-E08-6-7-08/05/2022 was reported with a concentration of 0 pg/g and a J qualifier. The raw data shows no response reported for this congener, including no S/N or EDL. In the judgment of the HGL reviewer, this result should be qualified R-VJ.

Qualification: The PCB-1 result for sample SIB-SC-E08-6-7-08/05/2022 is qualified R-VJ.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D13-7-8-08/02/2022	3-CHLOROBIPHENYL (2)	6.02	JK	6.02	J	EMPC
SIB-SC-D13-7-8-08/02/2022	4-CHLOROBIPHENYL (3)	13.3	BJK	13.3	UJ	MBL,EMPC
SIB-SC-D13-7-8-08/02/2022	2,2'-DICHLOROBIPHENYL (4)	37	JK	37	UJ	EBL,EMPC
SIB-SC-D13-7-8-08/02/2022	2,3'-DICHLOROBIPHENYL (6)	30.8	JK	30.8	UJ	EBL,EMPC
SIB-SC-D13-7-8-08/02/2022	2,4'-DICHLOROBIPHENYL (8)	92.7	J	92.7	U	EBL
SIB-SC-D13-7-8-08/02/2022	3,3'-DICHLOROBIPHENYL (11)	37	BJK	37	UJ	MBL,EMPC
SIB-SC-D13-7-8-08/02/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	2.14	J	2.14	U	EBL
SIB-SC-D13-7-8-08/02/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	1.57	JK	1.57	J	EMPC
SIB-SC-D13-7-8-08/02/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	6.26	JK	6.26	J	EMPC
SIB-SC-D13-7-8-08/02/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	2010	--	2010	J	MSLX,MSP
SIB-SC-D13-7-8-08/02/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	6110	--	6110	J	MSP
SIB-SC-D13-7-8-08/02/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	5.26	JK	5.26	J	EMPC
SIB-SC-D13-7-8-08/02/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	49.8	JK	49.8	J	EMPC
SIB-SC-D13-7-8-08/02/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	20.4	JK	20.4	J	EMPC
SIB-SC-D13-7-8-08/02/2022	2,2',6-TRICHLOROBIPHENYL (19)	21.5	J	21.5	U	EBL
SIB-SC-D35-18-19-08/04/2022	3,3'-DICHLOROBIPHENYL (11)	61.9	BJK	61.9	UJ	MBL,EMPC
SIB-SC-D35-18-19-08/04/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	9.64	J	9.64	U	EBL
SIB-SC-D35-18-19-08/04/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	143	JK	143	J	EMPC
SIB-SC-D35-18-19-08/04/2022	3,4,5-TRICHLOROBIPHENYL (38)	11.5	JK	11.5	J	EMPC
SIB-SC-E03-8-9-08/17/2022	3-CHLOROBIPHENYL (2)	10.7	JK	10.7	J	EMPC
SIB-SC-E03-8-9-08/17/2022	4-CHLOROBIPHENYL (3)	10.7	BJK	10.7	UJ	MBL,EMPC
SIB-SC-E03-8-9-08/17/2022	3,3'-DICHLOROBIPHENYL (11)	46.2	BJK	46.2	UJ	MBL,EBH,EMPC
SIB-SC-E03-8-9-08/17/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	21.8	JK	21.8	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	14.3	J	14.3	U	EBL
SIB-SC-E03-8-9-08/17/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	9.95	JK	9.95	J	EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-156/157	8.13	BCJ	8.13	U	MBL
SIB-SC-E03-8-9-08/17/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	10.9	J	10.9	U	EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E03-8-9-08/17/2022	PCB-85/116/117	6.32	CJK	6.32	J	EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-86/87/97/109/119/125	25.1	BCJK	25.1	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	12.2	JK	12.2	UJ	EBL,EMPC
SIB-SC-E03-8-9-08/17/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	20.3	BJ	20.3	U	EBL
SIB-SC-E03-8-9-08/17/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	9.04	BJ	9.04	U	MBL
SIB-SC-E03-8-9-08/17/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	3.82	JK	3.82	J	EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-40/71	6.87	CJK	6.87	UJ	EBL,EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-44/47/65	23.4	BCJ	23.4	U	MBL
SIB-SC-E03-8-9-08/17/2022	PCB-49/69	14.3	BCJK	14.3	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	7.75	BJ	7.75	U	MBL
SIB-SC-E03-8-9-08/17/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	16.2	BJK	16.2	UJ	MBL,EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-18/30	5.38	BCJ	5.38	U	MBL,EBL
SIB-SC-E03-8-9-08/17/2022	PCB-20/28	14.4	BCJK	14.4	UJ	MBL,EMPC
SIB-SC-E03-8-9-08/17/2022	2,3,4'-TRICHLOROBIPHENYL (22)	4.34	JK	4.34	J	EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-21/33	9.17	CJK	9.17	J	EMPC
SIB-SC-E03-8-9-08/17/2022	PCB-26/29	5.44	CJK	5.44	J	EMPC
SIB-SC-E03-8-9-08/17/2022	2,4',5-TRICHLOROBIPHENYL (31)	9.72	BJK	9.72	UJ	MBL,EMPC
SIB-SC-E03-8-9-08/17/2022	3,4,4'-TRICHLOROBIPHENYL (37)	6.97	JK	6.97	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2-CHLOROBIPHENYL (1)	0	J	0	R	VJ
SIB-SC-E08-6-7-08/05/2022	4-CHLOROBIPHENYL (3)	4.63	BJ	4.63	U	MBL
SIB-SC-E08-6-7-08/05/2022	3,3'-DICHLOROBIPHENYL (11)	35.3	BJK	35.3	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	6.95	JK	6.95	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	3.02	JK	3.02	J	EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-183/185	6.07	CJK	6.07	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	8.92	J	8.92	U	EBL
SIB-SC-E08-6-7-08/05/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	5.71	JK	5.71	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	5.96	JK	5.96	J	EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-156/157	3.91	BCJ	3.91	U	MBL
SIB-SC-E08-6-7-08/05/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	8.5	BJK	8.5	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-198/199	6.23	BCJK	6.23	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-85/116/117	3.16	CJK	3.16	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E08-6-7-08/05/2022	PCB-86/87/97/109/119/125	14.7	BCJ	14.7	U	MBL
SIB-SC-E08-6-7-08/05/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	22.4	BJK	22.4	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	11.5	BJ	11.5	U	EBL
SIB-SC-E08-6-7-08/05/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	4.52	BJK	4.52	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-61/70/74/76	25.9	BCJ	25.9	U	MBL
SIB-SC-E08-6-7-08/05/2022	PCB-40/71	4.99	CJ	4.99	U	EBL
SIB-SC-E08-6-7-08/05/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	4.49	JK	4.49	J	EMPC
SIB-SC-E08-6-7-08/05/2022	PCB-44/47/65	17.5	BCJ	17.5	U	MBL
SIB-SC-E08-6-7-08/05/2022	PCB-45/51	2.66	BCJ	2.66	U	MBL
SIB-SC-E08-6-7-08/05/2022	PCB-49/69	11.2	BCJ	11.2	U	MBL
SIB-SC-E08-6-7-08/05/2022	PCB-50/53	2.19	CJK	2.19	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	19.6	BJ	19.6	U	MBL
SIB-SC-E08-6-7-08/05/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	4.29	BJ	4.29	U	MBL
SIB-SC-E08-6-7-08/05/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	12.9	BJ	12.9	U	MBL
SIB-SC-E08-6-7-08/05/2022	2,2',3-TRICHLOROBIPHENYL (16)	3.13	JK	3.13	UJ	EBL,EMPC
SIB-SC-E08-6-7-08/05/2022	2,2',4-TRICHLOROBIPHENYL (17)	3.93	J	3.93	U	EBL
SIB-SC-E08-6-7-08/05/2022	PCB-18/30	4.6	BCJ	4.6	U	MBL,EBL
SIB-SC-E08-6-7-08/05/2022	PCB-20/28	9.09	BCJK	9.09	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	2,3,4'-TRICHLOROBIPHENYL (22)	3.24	JK	3.24	J	EMPC
SIB-SC-E08-6-7-08/05/2022	2,4',5-TRICHLOROBIPHENYL (31)	6.18	BJK	6.18	UJ	MBL,EMPC
SIB-SC-E08-6-7-08/05/2022	2,4',6-TRICHLOROBIPHENYL (32)	1.88	JK	1.88	UJ	EBL,EMPC
SIB-SC-F02-10-11-08/18/2022	2-CHLOROBIPHENYL (1)	6.56	JK	6.56	J	EMPC
SIB-SC-F02-10-11-08/18/2022	3-CHLOROBIPHENYL (2)	14.5	JK	14.5	J	EMPC
SIB-SC-F02-10-11-08/18/2022	4-CHLOROBIPHENYL (3)	10.4	BJK	10.4	UJ	MBL,EMPC
SIB-SC-F02-10-11-08/18/2022	2,4'-DICHLOROBIPHENYL (8)	12	J	12	U	EBL
SIB-SC-F02-10-11-08/18/2022	3,3'-DICHLOROBIPHENYL (11)	41.5	BJK	41.5	UJ	MBL,EBH,EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	3.24	JK	3.24	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F02-10-11-08/18/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	3.99	JK	3.99	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	171	K	171	J	EMPC
SIB-SC-F02-10-11-08/18/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	9.41	JK	9.41	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	14.1	JK	14.1	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	26.8	JK	26.8	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	12.5	JK	12.5	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	14.8	JK	14.8	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	8	JK	8	J	EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',3-TRICHLOROBIPHENYL (16)	10.7	J	10.7	U	EBL
SIB-SC-F02-10-11-08/18/2022	2,2',4-TRICHLOROBIPHENYL (17)	17.3	J	17.3	U	EBL
SIB-SC-F02-10-11-08/18/2022	PCB-18/30	25.7	CJK	25.7	UJ	EBL,EMPC
SIB-SC-F02-10-11-08/18/2022	2,2',6-TRICHLOROBIPHENYL (19)	5.69	J	5.69	U	EBL
SIB-SC-F02-10-11-08/18/2022	2,4',6-TRICHLOROBIPHENYL (32)	7.76	J	7.76	U	EBL
SIB-SC-F02-10-11-08/18/2022	3,3',4-TRICHLOROBIPHENYL (35)	8.37	J	8.37	U	EBL
SIB-SC-F03-12-13-08/18/2022	2-CHLOROBIPHENYL (1)	35.8	JK	35.8	J	EMPC
SIB-SC-F03-12-13-08/18/2022	4-CHLOROBIPHENYL (3)	32	JK	32	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,2'-DICHLOROBIPHENYL (4)	151	J	151	U	EBL
SIB-SC-F03-12-13-08/18/2022	2,3'-DICHLOROBIPHENYL (6)	149	JK	149	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F03-12-13-08/18/2022	3,3'-DICHLOROBIPHENYL (11)	70.5	BJ	70.5	U	MBL,EBH
SIB-SC-F03-12-13-08/18/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	180	K	180	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	45.2	JK	45.2	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	100	JK	100	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	591	K	591	J	EMPC
SIB-SC-F03-12-13-08/18/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	10400	--	10400	J	MSP
SIB-SC-F03-12-13-08/18/2022	3,4,4'-TRICHLOROBIPHENYL (37)	922	--	922	J	MSH
SIB-SC-F14-6-7-08/08/2022	4,4'-DICHLOROBIPHENYL (15)	20.5	JK	20.5	UJ	EBL,EMPC
SIB-SC-F14-6-7-08/08/2022	3-CHLOROBIPHENYL (2)	2.61	JK	2.61	J	EMPC
SIB-SC-F14-6-7-08/08/2022	4-CHLOROBIPHENYL (3)	6.65	BJ	6.65	U	MBL
SIB-SC-F14-6-7-08/08/2022	2,2'-DICHLOROBIPHENYL (4)	120	J	120	U	EBL
SIB-SC-F14-6-7-08/08/2022	2,3'-DICHLOROBIPHENYL (6)	15.7	JK	15.7	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,4'-DICHLOROBIPHENYL (8)	19.8	JK	19.8	UJ	EBL,EMPC
SIB-SC-F14-6-7-08/08/2022	2,6-DICHLOROBIPHENYL (10)	8.29	JK	8.29	J	EMPC
SIB-SC-F14-6-7-08/08/2022	3,3'-DICHLOROBIPHENYL (11)	51.9	BJK	51.9	UJ	MBL,EMPC
SIB-SC-F14-6-7-08/08/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	3.31	JK	3.31	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	11.3	JK	11.3	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	3.1	JK	3.1	J	EMPC
SIB-SC-F14-6-7-08/08/2022	PCB-128/166	26.2	CJK	26.2	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	5.09	JK	5.09	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	2.95	JK	2.95	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	16.3	JK	16.3	J	EMPC
SIB-SC-F14-6-7-08/08/2022	PCB-85/116/117	41.2	CJK	41.2	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	5.17	JK	5.17	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	14.4	JK	14.4	J	EMPC
SIB-SC-F14-6-7-08/08/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	4.29	JK	4.29	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F14-6-7-08/08/2022	2,2',3-TRICHLOROBIPHENYL (16)	8.24	J	8.24	U	EBL
SIB-SC-F14-6-7-08/08/2022	PCB-18/30	17.4	BCJ	17.4	U	EBL
SIB-SC-H02-10-11-08/18/2022	2-CHLOROBIPHENYL (1)	4.11	JK	4.11	J	EMPC
SIB-SC-H02-10-11-08/18/2022	4-CHLOROBIPHENYL (3)	6.48	BJK	6.48	UJ	MBL,EMPC
SIB-SC-H02-10-11-08/18/2022	3,3'-DICHLOROBIPHENYL (11)	40.7	BJ	40.7	U	MBL,EBH
SIB-SC-H02-10-11-08/18/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	6.8	JK	6.8	J	EMPC
SIB-SC-H02-10-11-08/18/2022	PCB-183/185	14.8	CJK	14.8	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	7.58	JK	7.58	UJ	EBL,EMPC
SIB-SC-H02-10-11-08/18/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	6.42	JK	6.42	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	3.36	JK	3.36	J	EMPC
SIB-SC-H02-10-11-08/18/2022	PCB-197/200	5.87	BCJK	5.87	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	5.41	J	5.41	U	EBL
SIB-SC-H02-10-11-08/18/2022	PCB-85/116/117	5.12	CJK	5.12	J	EMPC
SIB-SC-H02-10-11-08/18/2022	PCB-86/87/97/109/119/125	13	BCJ	13	U	MBL
SIB-SC-H02-10-11-08/18/2022	PCB-88/91	6.68	CJK	6.68	J	EMPC
SIB-SC-H02-10-11-08/18/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	8.1	J	8.1	U	EBL
SIB-SC-H02-10-11-08/18/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	22.1	BJ	22.1	U	MBL
SIB-SC-H02-10-11-08/18/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	13.1	BJ	13.1	U	EBL
SIB-SC-H02-10-11-08/18/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	4.86	BJK	4.86	UJ	MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-H02-10-11-08/18/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	15.1	BJ	15.1	U	MBL
SIB-SC-H02-10-11-08/18/2022	PCB-61/70/74/76	19.2	BCJ	19.2	U	MBL
SIB-SC-H02-10-11-08/18/2022	PCB-44/47/65	14.2	BCJ	14.2	U	MBL
SIB-SC-H02-10-11-08/18/2022	PCB-45/51	3.3	BCJ	3.3	U	MBL
SIB-SC-H02-10-11-08/18/2022	PCB-49/69	10.8	BCJ	10.8	U	MBL
SIB-SC-H02-10-11-08/18/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	18.7	BJ	18.7	U	MBL
SIB-SC-H02-10-11-08/18/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	4.72	BJK	4.72	UJ	MBL,EMPC
SIB-SC-H02-10-11-08/18/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	10.1	BJ	10.1	U	MBL
SIB-SC-H02-10-11-08/18/2022	2,3,4',6'-TETRACHLOROBIPHENYL (64)	4.48	JK	4.48	J	EMPC
SIB-SC-H02-10-11-08/18/2022	PCB-18/30	4.98	BCJ	4.98	U	MBL,EBL
SIB-SC-H02-10-11-08/18/2022	PCB-20/28	10	BCJ	10	U	MBL
SIB-SC-H02-10-11-08/18/2022	2,4',5-TRICHLOROBIPHENYL (31)	7.9	BJ	7.9	U	MBL
SIB-SC-H02-10-11-08/18/2022	3,4,4'-TRICHLOROBIPHENYL (37)	4.14	JK	4.14	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2-CHLOROBIPHENYL (1)	11.5	JK	11.5	J	EMPC
SIB-SC-G02-6-7-08/18/2022	4-CHLOROBIPHENYL (3)	11.9	BJ	11.9	U	MBL
SIB-SC-G02-6-7-08/18/2022	2,3'-DICHLOROBIPHENYL (6)	24.9	JK	24.9	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,4'-DICHLOROBIPHENYL (8)	23.6	JK	23.6	UJ	EBL,EMPC
SIB-SC-G02-6-7-08/18/2022	3,3'-DICHLOROBIPHENYL (11)	366	--	366	U	EBH
SIB-SC-G02-6-7-08/18/2022	2,2',3-TRICHLOROBIPHENYL (16)	12	J	12	U	EBL
SIB-SC-G02-6-7-08/18/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	1.58	JK	1.58	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	20.3	JK	20.3	UJ	EBL,EMPC
SIB-SC-G02-6-7-08/18/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	4.42	JK	4.42	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-G02-6-7-08/18/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	25.7	CJK	25.7	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	11.6	JK	11.6	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	11	JK	11	J	EMPC
SIB-SC-G02-6-7-08/18/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	5.74	JK	5.74	J	EMPC
SIB-SC-G02-6-7-08/18/2022	PCB-18/30	24	CJ	24	U	EBL
SIB-SC-G02-6-7-08/18/2022	2,2',6-TRICHLOROBIPHENYL (19)	6.63	J	6.63	U	EBL
SIB-SC-G02-6-7-08/18/2022	2,3',6-TRICHLOROBIPHENYL (27)	3.27	J	3.27	U	EBL
SIB-SC-G02-6-7-08/18/2022	2,4',6-TRICHLOROBIPHENYL (32)	14.4	JK	14.4	UJ	EBL,EMPC
SIB-SC-G02-6-7-08/18/2022	3,3',4-TRICHLOROBIPHENYL (35)	9.96	JK	9.96	UJ	EBL,EMPC
SIB-SC-H06-6-7-07/26/2022	2-CHLOROBIPHENYL (1)	2.29	JK	2.29	J	EMPC
SIB-SC-H06-6-7-07/26/2022	4-CHLOROBIPHENYL (3)	3.55	BJK	3.55	UJ	MBL,EBL,EMPC
SIB-SC-H06-6-7-07/26/2022	3,3'-DICHLOROBIPHENYL (11)	28.8	BJ	28.8	U	MBL
SIB-SC-H06-6-7-07/26/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	3.33	JK	3.33	J	EMPC
SIB-SC-H06-6-7-07/26/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	2.95	BJK	2.95	UJ	MBL,EMPC
SIB-SC-H06-6-7-07/26/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1.79	JK	1.79	J	EMPC
SIB-SC-H06-6-7-07/26/2022	PCB-180/193	5.24	BCJ	5.24	U	MBL
SIB-SC-H06-6-7-07/26/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	3.02	BJ	3.02	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-129/138/163	11.9	BCJ	11.9	U	MBL
SIB-SC-H06-6-7-07/26/2022	PCB-135/151	5.1	BCJ	5.1	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-147/149	9.76	BCJ	9.76	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-153/168	8.89	BCJ	8.89	U	MBL
SIB-SC-H06-6-7-07/26/2022	PCB-85/116/117	4.11	CJK	4.11	J	EMPC
SIB-SC-H06-6-7-07/26/2022	PCB-86/87/97/109/119/125	10.6	BCJ	10.6	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-90/101/113	16.3	BCJ	16.3	U	MBL
SIB-SC-H06-6-7-07/26/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	15.7	BJ	15.7	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	6.01	BJ	6.01	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	3.26	BJK	3.26	UJ	MBL,EBL,EMPC
SIB-SC-H06-6-7-07/26/2022	PCB-110/115	15	BCJ	15	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	9.85	BJ	9.85	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-61/70/74/76	14	BCJ	14	U	MBL
SIB-SC-H06-6-7-07/26/2022	PCB-44/47/65	11	BCJ	11	U	MBL,EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-H06-6-7-07/26/2022	PCB-45/51	2.27	BCJ	2.27	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-49/69	6.06	BCJK	6.06	UJ	MBL,EBL,EMPC
SIB-SC-H06-6-7-07/26/2022	PCB-50/53	2.15	CJ	2.15	U	EBL
SIB-SC-H06-6-7-07/26/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	16	BJK	16	UJ	MBL,EBL,EMPC
SIB-SC-H06-6-7-07/26/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	2.75	BJK	2.75	UJ	MBL,EMPC
SIB-SC-H06-6-7-07/26/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	6.25	BJ	6.25	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	3.26	JK	3.26	J	EMPC
SIB-SC-H06-6-7-07/26/2022	PCB-18/30	4.23	BCJ	4.23	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-20/28	6.57	BCJ	6.57	U	MBL,EBL
SIB-SC-H06-6-7-07/26/2022	PCB-21/33	4.27	CJ	4.27	U	EBL
SIB-SC-H06-6-7-07/26/2022	2,4',5-TRICHLOROBIPHENYL (31)	5.77	BJK	5.77	UJ	MBL,EBL,EMPC
SIB-SC-H08-6-7-07/26/2022	4,4'-DICHLOROBIPHENYL (15)	45.7	JK	45.7	J	EMPC
SIB-SC-H08-6-7-07/26/2022	4-CHLOROBIPHENYL (3)	6.27	BJK	6.27	UJ	MBL,EBL,EMPC
SIB-SC-H08-6-7-07/26/2022	2,2'-DICHLOROBIPHENYL (4)	46.1	J	46.1	U	EBL
SIB-SC-H08-6-7-07/26/2022	2,3'-DICHLOROBIPHENYL (6)	25.6	JK	25.6	J	EMPC
SIB-SC-H08-6-7-07/26/2022	3,3'-DICHLOROBIPHENYL (11)	33.7	BJK	33.7	UJ	MBL,EMPC
SIB-SC-H08-6-7-07/26/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	3.61	JK	3.61	J	EMPC
SIB-SC-H08-6-7-07/26/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	17.1	JK	17.1	J	EMPC
SIB-SC-H08-6-7-07/26/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	6.57	JK	6.57	J	EMPC
SIB-SC-M04-6-7-08/23/2022	2,6-DICHLOROBIPHENYL (10)	29.6	JK	29.6	J	EMPC
SIB-SC-M04-6-7-08/23/2022	3,3'-DICHLOROBIPHENYL (11)	44.9	BJ	44.9	U	MBL
SIB-SC-M04-6-7-08/23/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	9.53	JK	9.53	J	EMPC
SIB-SC-M04-6-7-08/23/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	19.4	JK	19.4	J	EMPC
SIB-SC-M04-6-7-08/23/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	112	JK	112	J	EMPC
SIB-SC-M04-6-7-08/23/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	468	K	468	J	EMPC
SIB-SC-M04-6-7-08/23/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	63.5	JK	63.5	J	EMPC
SIB-SC-N03-6-7-08/10/2022	2,2'-DICHLOROBIPHENYL (4)	180	J	180	U	EBL
SIB-SC-N03-6-7-08/10/2022	2,4-DICHLOROBIPHENYL (7)	32	JK	32	J	EMPC
SIB-SC-N03-6-7-08/10/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	11.1	JK	11.1	J	EMPC
SIB-SC-N03-6-7-08/10/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	157	JK	157	J	EMPC
SIB-SC-N03-6-7-08/10/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	218	K	218	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-O04-6-7-08/25/2022	4,4'-DICHLOROBIPHENYL (15)	84.7	J	84.7	U	EBL
SIB-SC-O04-6-7-08/25/2022	2,2'-DICHLOROBIPHENYL (4)	45.9	JK	45.9	UJ	EBL,EMPC
SIB-SC-O04-6-7-08/25/2022	2,3'-DICHLOROBIPHENYL (6)	45.4	JK	45.4	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,4'-DICHLOROBIPHENYL (8)	108	J	108	U	EBL
SIB-SC-O04-6-7-08/25/2022	PCB-12/13	44	CJK	44	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,2',6-TRICHLOROBIPHENYL (19)	30.1	J	30.1	U	EBL
SIB-SC-O04-6-7-08/25/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	3.53	JK	3.53	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	3.08	JK	3.08	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	6.73	JK	6.73	J	EMPC
SIB-SC-O04-6-7-08/25/2022	PCB-98/102	39.9	CJK	39.9	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	16.5	JK	16.5	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	19.4	JK	19.4	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	16	JK	16	J	EMPC
SIB-SC-O04-6-7-08/25/2022	2,2',3-TRICHLOROBIPHENYL (16)	61.9	J	61.9	U	EBL
SIB-SC-O04-6-7-08/25/2022	PCB-18/30	148	CJ	148	U	EBL
SIB-SC-O04-6-7-08/25/2022	2,3',6-TRICHLOROBIPHENYL (27)	16.7	JK	16.7	J	EMPC
SIB-SC-O04-6-7-08/25/2022	3,3',4-TRICHLOROBIPHENYL (35)	19	JK	19	UJ	EBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2-CHLOROBIPHENYL (1)	6.05	JK	6.05	J	EMPC
SIB-SC-O04-8-9-08/25/2022	4,4'-DICHLOROBIPHENYL (15)	29	JK	29	UJ	EBL,EMPC
SIB-SC-O04-8-9-08/25/2022	3-CHLOROBIPHENYL (2)	11.7	JK	11.7	J	EMPC
SIB-SC-O04-8-9-08/25/2022	4-CHLOROBIPHENYL (3)	14.3	BJ	14.3	U	MBL
SIB-SC-O04-8-9-08/25/2022	2,4'-DICHLOROBIPHENYL (8)	32.5	J	32.5	U	EBL
SIB-SC-O04-8-9-08/25/2022	PCB-12/13	21.7	CJK	21.7	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	12.9	BJ	12.9	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	2.05	JK	2.05	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	3.94	JK	3.94	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	6.84	J	6.84	U	EBL
SIB-SC-O04-8-9-08/25/2022	PCB-183/185	9.24	CJ	9.24	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	4.78	JK	4.78	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	22.8	J	22.8	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	2.61	JK	2.61	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-O04-8-9-08/25/2022	PCB-156/157	7.44	BCJK	7.44	UJ	MBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	4.12	JK	4.12	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	7.44	BJK	7.44	UJ	MBL,EMPC
SIB-SC-O04-8-9-08/25/2022	PCB-197/200	2.09	BCJK	2.09	UJ	MBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	2.49	JK	2.49	UJ	EBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	2.88	BJK	2.88	UJ	MBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	8.64	JK	8.64	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	36	J	36	U	EBL
SIB-SC-O04-8-9-08/25/2022	PCB-40/71	17.4	CJ	17.4	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	13.7	J	13.7	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	8.64	J	8.64	U	EBL
SIB-SC-O04-8-9-08/25/2022	PCB-50/53	6.5	CJK	6.5	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	6.92	JK	6.92	J	EMPC
SIB-SC-O04-8-9-08/25/2022	2,2',3-TRICHLOROBIPHENYL (16)	13.4	J	13.4	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,2',4-TRICHLOROBIPHENYL (17)	16.7	J	16.7	U	EBL
SIB-SC-O04-8-9-08/25/2022	PCB-18/30	31	CJ	31	U	EBL
SIB-SC-O04-8-9-08/25/2022	2,3',4-TRICHLOROBIPHENYL (25)	4.39	JK	4.39	UJ	EBL,EMPC
SIB-SC-O04-8-9-08/25/2022	2,4',6-TRICHLOROBIPHENYL (32)	13.3	J	13.3	U	EBL
SIB-SC-O04-8-9-08/25/2022	3,3',4-TRICHLOROBIPHENYL (35)	8.06	JK	8.06	UJ	EBL,EMPC
SIB-SC-R02-6-7-08/22/2022	2,2'-DICHLOROBIPHENYL (4)	91.7	J	91.7	U	EBL
SIB-SC-R02-6-7-08/22/2022	2,4'-DICHLOROBIPHENYL (8)	253	--	253	U	EBL
SIB-SC-R02-6-7-08/22/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	6.96	JK	6.96	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	16.7	JK	16.7	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	22	JK	22	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	5.73	JK	5.73	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	24.5	JK	24.5	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	28.4	JK	28.4	J	EMPC
SIB-SC-R02-6-7-08/22/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	19.6	JK	19.6	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2-CHLOROBIPHENYL (1)	10	JK	10	J	EMPC
SIB-SC-R04-12-13-08/22/2022	4,4'-DICHLOROBIPHENYL (15)	20.7	JK	20.7	UJ	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R04-12-13-08/22/2022	3-CHLOROBIPHENYL (2)	10.5	JK	10.5	J	EMPC
SIB-SC-R04-12-13-08/22/2022	4-CHLOROBIPHENYL (3)	11.6	BJ	11.6	U	MBL
SIB-SC-R04-12-13-08/22/2022	2,2'-DICHLOROBIPHENYL (4)	24	J	24	U	EBL
SIB-SC-R04-12-13-08/22/2022	2,3'-DICHLOROBIPHENYL (6)	18.5	JK	18.5	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,4'-DICHLOROBIPHENYL (8)	41.1	JK	41.1	UJ	EBL,EMPC
SIB-SC-R04-12-13-08/22/2022	3,3'-DICHLOROBIPHENYL (11)	47.5	BJK	47.5	UJ	MBL,EMPC
SIB-SC-R04-12-13-08/22/2022	2,2',6-TRICHLOROBIPHENYL (19)	9.72	JK	9.72	UJ	EBL,EMPC
SIB-SC-R04-12-13-08/22/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	17.7	JK	17.7	J	EMPC
SIB-SC-R04-12-13-08/22/2022	PCB-85/116/117	247	CJK	247	J	EMPC
SIB-SC-R04-12-13-08/22/2022	PCB-98/102	44.2	CJK	44.2	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	13.1	JK	13.1	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	9.96	JK	9.96	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	10.3	JK	10.3	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,2',3-TRICHLOROBIPHENYL (16)	34.3	J	34.3	U	EBL
SIB-SC-R04-12-13-08/22/2022	2,2',4-TRICHLOROBIPHENYL (17)	53.2	J	53.2	U	EBL
SIB-SC-R04-12-13-08/22/2022	PCB-18/30	97.9	CJ	97.9	U	EBL
SIB-SC-R04-12-13-08/22/2022	2,2',6-TRICHLOROBIPHENYL (19)	9.72	JK	9.72	J	EMPC
SIB-SC-R04-12-13-08/22/2022	2,3',4-TRICHLOROBIPHENYL (25)	12.7	J	12.7	U	EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R04-12-13-08/22/2022	2,4',6-TRICHLOROBIPHENYL (32)	29.7	J	29.7	U	EBL
SIB-SC-R06-10-11-08/22/2022	4-CHLOROBIPHENYL (3)	4.79	BJK	4.79	UJ	MBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,3'-DICHLOROBIPHENYL (6)	13.6	JK	13.6	J	EMPC
SIB-SC-R06-10-11-08/22/2022	3,3'-DICHLOROBIPHENYL (11)	57.6	BJK	57.6	UJ	MBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	3.92	JK	3.92	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	6.1	JK	6.1	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	9.8	JK	9.8	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	24	JK	24	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	5.69	J	5.69	U	EBL
SIB-SC-R06-10-11-08/22/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	3.31	BJK	3.31	UJ	MBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	12.2	JK	12.2	J	EMPC
SIB-SC-R06-10-11-08/22/2022	PCB-85/116/117	14.8	CJK	14.8	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	2.13	JK	2.13	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	8.87	JK	8.87	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	13.3	BJK	13.3	J	EMPC
SIB-SC-R06-10-11-08/22/2022	PCB-40/71	22.2	CJ	22.2	U	EBL
SIB-SC-R06-10-11-08/22/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	17.4	JK	17.4	UJ	EBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	6.47	JK	6.47	UJ	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-R06-10-11-08/22/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	7.17	JK	7.17	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',3-TRICHLOROBIPHENYL (16)	7.56	JK	7.56	UJ	EBL,EMPC
SIB-SC-R06-10-11-08/22/2022	2,2',4-TRICHLOROBIPHENYL (17)	11.2	J	11.2	U	EBL
SIB-SC-R06-10-11-08/22/2022	PCB-18/30	14.2	BCJ	14.2	U	EBL
SIB-SC-R06-10-11-08/22/2022	2,3,4'-TRICHLOROBIPHENYL (22)	7.47	JK	7.47	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,3',4-TRICHLOROBIPHENYL (25)	4.4	J	4.4	U	EBL
SIB-SC-R06-10-11-08/22/2022	PCB-26/29	6.03	CJK	6.03	J	EMPC
SIB-SC-R06-10-11-08/22/2022	2,4',6-TRICHLOROBIPHENYL (32)	4.99	JK	4.99	UJ	EBL,EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21286
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.21.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-G02-0-1-08/18/2022	21286001	Sediment
SIB-SC-I05-0-1-07/28/2022	21286002	Sediment
SIB-SC-K03-0-1-07/27/2022	21286003	Sediment
SIB-SC-L09-0-1-08/21/2022	21286004	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several target analytes including the following:

- 1,2,3,7,8-PeCDD at 0.11 pg/g, leading to a qualification limit of 0.55 pg/g
- 1,2,3,6,7,8-HxCDD at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g
- 1,2,3,7,8,9-HxCDD at 0.084 pg/g, leading to a qualification limit of 0.42 pg/g
- 1,2,3,4,6,7,8-HpCDD at 0.194 pg/g, leading to a qualification limit of 0.97 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.752 pg/g, leading to a qualification limit of 3.76 pg/g
- 2,3,7,8-TCDF at 0.162 pg/g, leading to a qualification limit of 0.81 pg/g
- 1,2,3,7,8-PeCDF at 0.134 pg/g, leading to a qualification limit of 0.67 pg/g
- 2,3,4,7,8-PeCDF at 0.094 pg/g, leading to a qualification limit of 0.47 pg/g
- 1,2,3,4,7,8-HxCDF at 0.144 pg/g, leading to a qualification limit of 0.72 pg/g
- 1,2,3,6,7,8-HxCDF at 0.098 pg/g, leading to a qualification limit of 0.49 pg/g
- 2,3,4,6,7,8-HxCDF at 0.086 pg/g, leading to a qualification limit of 0.43 pg/g
- 1,2,3,7,8,9-HxCDF at 0.082 pg/g, leading to a qualification limit of 0.41 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.356 pg/g, leading to a qualification limit of 1.78 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.31 pg/g, leading to a qualification limit of 1.55 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD result in sample SIB-SC-L09-0-1-08/21/2022
- The 2,3,7,8-TCDF result in sample SIB-SC-L09-0-1-08/21/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-K03-0-1-07/27/2022 and SIB-SC-L09-0-1-08/21/2022
- The 2,3,4,7,8-PeCDF result in sample SIB-SC-L09-0-1-08/21/2022
- The 1,2,3,4,7,8-HxCDF result in sample SIB-SC-L09-0-1-08/21/2022
- The 1,2,3,6,7,8-HxCDF result in sample SIB-SC-L09-0-1-08/21/2022
- The 2,3,4,6,7,8-HxCDF result in sample SIB-SC-L09-0-1-08/21/2022

Rinsate Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG with sample dates of 7/27/22 and 7/28/22. The rinse blank was free from contamination.

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG with sample dates of 08/18/22 and 8/21/22. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analysis was performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 2 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Two OCDD results reported with laboratory qualifiers of E are qualified J with reason code ACR; note that the reportable_result field for these results is populated with "No" by the laboratory and is changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-G02-0-1-08/18/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.42	K	3.42	J	EMPC
SIB-SC-G02-0-1-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.29	--	4.29	DNR	EXC
SIB-SC-G02-0-1-08/18/2022	OCTACHLORODIBENZO-P-DIOXIN	6560	E	6560	J	ACR
SIB-SC-I05-0-1-07/28/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	8.18	JK	8.18	J	EMPC
SIB-SC-I05-0-1-07/28/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	10.8	--	10.8	DNR	EXC
SIB-SC-I05-0-1-07/28/2022	OCTACHLORODIBENZO-P-DIOXIN	24600	E	24600	J	ACR
SIB-SC-K03-0-1-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.599	BJ	0.599	U	MBL
SIB-SC-K03-0-1-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.42	B	1.42	DNR	EXC
SIB-SC-L09-0-1-08/21/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.438	BJ	0.438	U	MBL
SIB-SC-L09-0-1-08/21/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.274	JK	0.274	J	EMPC
SIB-SC-L09-0-1-08/21/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.316	BJK	0.316	UJ	MBL,EMPC
SIB-SC-L09-0-1-08/21/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.176	BJ	0.176	U	MBL
SIB-SC-L09-0-1-08/21/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.296	BJK	0.296	UJ	MBL,EMPC
SIB-SC-L09-0-1-08/21/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.328	BJ	0.328	U	MBL
SIB-SC-L09-0-1-08/21/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.292	BJK	0.292	UJ	MBL,EMPC
SIB-SC-L09-0-1-08/21/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.37	BJ	0.37	U	MBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21287
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.14.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.21.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-I05-0-1-07/28/2022	21287001	Sediment
SIB-SC-K03-0-1-07/27/2022	21287002	Sediment
SIB-SC-L09-0-1-08/21/2022	21287003	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – Samples SIB-SC-K03-0-1-07/27/2022 and SIB-SC-I05-0-1-07/28/2022 were extracted 6 and 5 days outside the 1 year holding time for frozen archived samples. The results reported for these samples should be qualified J (detections) or UJ (non-detections), reason code HTP.

Qualification: All results for samples SIB-SC-K03-0-1-07/27/2022 and SIB-SC-I05-0-1-07/28/2022 are qualified J (detections) or UJ (non-detections), reason code HTP.

Method Blanks – The method 1668C method blank associated with all samples in this SDG was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-20/28	7.84	39.2
PCB-44/47/65	16.7	83.5
PCB-52	18.4	92
PCB-61/70/74/76	19.8	99
PCB-66	10.1	50.5
PCB-86/87/97/109/119/125	13	65
PCB-90/101/113	18.7	93.5
PCB-95	21.4	107
PCB-99	7.84	39.2
PCB-110/115	21.6	108
PCB-118	13.6	68

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-129/138/163	13.5	67.5
PCB-135/151	7	35
PCB-147/149	10.1	50.5
PCB-153/168	9.46	47.3

All detected sediment results are greater than the associated qualification threshold and no qualification is required.

Qualification: None required.

Trip Blanks – A trip blank was not submitted with the samples in this SDG.

Qualification: None required.

Equipment Blanks –Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected on 7.27.22 and 7.28.22; equipment blank EB08-08212022 (results reported in SDG 20282) is associated with all sediment samples collected on 8.21.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB05-07262022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25
PCB-17	5.38	5.38	26.9
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

The following results were qualified U-EBL due to contamination in EB05-07262022

- SIB-SC-K03-0-1-07/27/2022: PCB-8

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-11	659	659	3295
PCB-12/13	27.7	27.7	138.5
PCB-15	16.7	16.7	83.5
PCB-16	11.0	11.0	55.0
PCB-17	14.9	14.9	74.5
PCB-18/30	29.3	29.3	146.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022

- SIB-SC-L09-0-1-08/21/2022: PCB-8, PCB-15, PCB-16, PCB-17

The following results were qualified U-EBH due to contamination in EB08-08212022

- SIB-SC-L09-0-1-08/21/2022: PCB-11

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analyses were performed on sample SIB-SC-I05-0-1-07/28/2022 with this SDG. All %Rs were within control limits with the exception of PCB-1, PCB-3, PCB-4, PCB-15, PCB-37, PCB-77, PCB-105, PCB-114, PCB-118, PCB-123, PCB-156/157, PCB-167,

PCB-189, PCB-202, PCB-206, and PCB-208. For PCB-105, PCB-118, PCB-156/157, PCB-167, the sample concentration was >4x the spike concentration and the %R results are not applicable. The remaining failures should be qualified J in the parent sample. All RPDs were within control limits with the exception of PCB-1, PCB-3, PCB-77, PCB-105, PCB-118, and PCB-123. These results should be qualified J in the parent sample.

Qualification: In sample SIB-SC-I05-0-1-07/28/2022, the PCB-4, PCB-15, PCB-37, PCB-114, PCB-206, and PCB-208 results are qualified J, reason code MSH. The PCB-189 and PCB-202 results are qualified J, reason code MSL. The PCB-105 and PCB-118 results are qualified J, reason code MSP. The PCB-1 and PCB-3 results are qualified J, reason code MSH,MSP. The PCB-77 result is qualified J, reason code MSL,MSH,MSP. The PCB-123 result is qualified J, reason code MSL,MSP.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-I05-0-1-07/28/2022	2-CHLOROBIPHENYL (1)	918	Jh	918	J	MSH,MSP
SIB-SC-I05-0-1-07/28/2022	4,4'-DICHLOROBIPHENYL (15)	1850	Jh	1850	J	MSH
SIB-SC-I05-0-1-07/28/2022	4-CHLOROBIPHENYL (3)	581	Jh	581	J	MSH,MSP
SIB-SC-I05-0-1-07/28/2022	2,2'-DICHLOROBIPHENYL (4)	2150	Jh	2150	J	MSH
SIB-SC-I05-0-1-07/28/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	3410	h	3410	J	MSL
SIB-SC-I05-0-1-07/28/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	9850	h	9850	J	MSH
SIB-SC-I05-0-1-07/28/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	2370	h	2370	J	MSH
SIB-SC-I05-0-1-07/28/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	6590	h	6590	J	MSL
SIB-SC-I05-0-1-07/28/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	85900	h	85900	J	MSP
SIB-SC-I05-0-1-07/28/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	5420	h	5420	J	MSH
SIB-SC-I05-0-1-07/28/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	3000	h	3000	J	MSL,MSP
SIB-SC-I05-0-1-07/28/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	283000	h	283000	J	MSP
SIB-SC-I05-0-1-07/28/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	1100	JKh	1100	J	EMPC
SIB-SC-I05-0-1-07/28/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	749	JKh	749	J	EMPC
SIB-SC-I05-0-1-07/28/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	5040	h	5040	J	MSL,MSH,MSP
SIB-SC-I05-0-1-07/28/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	2410	Kh	2410	J	EMPC
SIB-SC-I05-0-1-07/28/2022	3,4,4'-TRICHLOROBIPHENYL (37)	3690	h	3690	J	MSH
SIB-SC-I05-0-1-07/28/2022	All detected results	Including addition to any other qualification applied above			J	HTP
SIB-SC-I05-0-1-07/28/2022	All non-detected results				UJ	HTP
SIB-SC-K03-0-1-07/27/2022	2-CHLOROBIPHENYL (1)	26.3	JKh	26.3	J	EMPC
SIB-SC-K03-0-1-07/27/2022	4-CHLOROBIPHENYL (3)	32.6	JKh	32.6	J	EMPC
SIB-SC-K03-0-1-07/27/2022	2,4'-DICHLOROBIPHENYL (8)	48.5	Jh	48.5	U	EBL
SIB-SC-K03-0-1-07/27/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	9.72	JKh	9.72	J	EMPC
SIB-SC-K03-0-1-07/27/2022	PCB-139/140	54.3	CJKh	54.3	J	EMPC
SIB-SC-K03-0-1-07/27/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	24	JKh	24	J	EMPC
SIB-SC-K03-0-1-07/27/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	39.1	CJKh	39.1	J	EMPC
SIB-SC-K03-0-1-07/27/2022	2,2',3-TRICHLOROBIPHENYL (16)	28.1	JKh	28.1	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-0-1-07/27/2022	2,2',6-TRICHLOROBIPHENYL (19)	47.5	JKh	47.5	J	EMPC
SIB-SC-K03-0-1-07/27/2022	2,3',6-TRICHLOROBIPHENYL (27)	11.7	JKh	11.7	J	EMPC
SIB-SC-K03-0-1-07/27/2022	All detected results	Including addition to any other qualification applied above			J	HTP
SIB-SC-K03-0-1-07/27/2022	All non-detected results				UJ	HTP
SIB-SC-L09-0-1-08/21/2022	4,4'-DICHLOOROBIPHENYL (15)	38.6	JK	38.6	UJ	EBL,EMPC
SIB-SC-L09-0-1-08/21/2022	3,3'-DICHLOOROBIPHENYL (11)	53.7	J	53.7	U	EBH
SIB-SC-L09-0-1-08/21/2022	2,2',4-TRICHLOROBIPHENYL (17)	73.2	J	73.2	U	EBL
SIB-SC-L09-0-1-08/21/2022	3-CHLOOROBIPHENYL (2)	11.9	JK	11.9	J	EMPC
SIB-SC-L09-0-1-08/21/2022	4-CHLOOROBIPHENYL (3)	13.6	JK	13.6	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOOROBIPHENYL (209)	49.4	JK	49.4	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,4'-DICHLOOROBIPHENYL (8)	49.7	JK	49.7	UJ	EBL,EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',3,4,4',5,6'-HEPTACHLOOROBIPHENYL (182)	5.77	JK	5.77	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,3,3',4,4',5,6'-HEPTACHLOOROBIPHENYL (191)	17.5	JK	17.5	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',4,4',5,6'-HEXACHLOOROBIPHENYL (154)	28	JK	28	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',3,3',4,4',5,6,6'-NONACHLOOROBIPHENYL (207)	13.5	JK	13.5	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',4,5',6-PENTACHLOOROBIPHENYL (103)	24.7	JK	24.7	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,3,4,4',5-PENTACHLOOROBIPHENYL (114)	43.2	JK	43.2	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2',3,4,4',5-PENTACHLOOROBIPHENYL (123)	29	JK	29	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',3,6'-TETRACHLOOROBIPHENYL (46)	27	JK	27	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,3,3',6-TETRACHLOOROBIPHENYL (59)	48.4	CJK	48.4	J	EMPC
SIB-SC-L09-0-1-08/21/2022	3,3',4,5'-TETRACHLOOROBIPHENYL (79)	37.8	JK	37.8	J	EMPC
SIB-SC-L09-0-1-08/21/2022	2,2',3-TRICHLOROBIPHENYL (16)	42.1	J	42.1	U	EBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21323
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.14.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.21.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E23-11-12-07/12/2022	21323001	Sediment
SIB-SC-E23-12-13-07/12/2022	21323002	Sediment
SIB-SC-F23-7-8-07/13/2022	21323003	Sediment
SIB-SC-F23-9-10-07/13/2022	21323004	Sediment
SIB-SC-F23-8-9-07/13/2022	21323005	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several target analytes including the following:

- 1,2,3,7,8-PeCDD at 0.11 pg/g, leading to a qualification limit of 0.55 pg/g
- 1,2,3,6,7,8-HxCDD at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g
- 1,2,3,7,8,9-HxCDD at 0.084 pg/g, leading to a qualification limit of 0.42 pg/g
- 1,2,3,4,6,7,8-HpCDD at 0.194 pg/g, leading to a qualification limit of 0.97 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.752 pg/g, leading to a qualification limit of 3.76 pg/g
- 2,3,7,8-TCDF at 0.162 pg/g, leading to a qualification limit of 0.81 pg/g
- 1,2,3,7,8-PeCDF at 0.134 pg/g, leading to a qualification limit of 0.67 pg/g
- 2,3,4,7,8-PeCDF at 0.094 pg/g, leading to a qualification limit of 0.47 pg/g
- 1,2,3,4,7,8-HxCDF at 0.144 pg/g, leading to a qualification limit of 0.72 pg/g
- 1,2,3,6,7,8-HxCDF at 0.098 pg/g, leading to a qualification limit of 0.49 pg/g
- 2,3,4,6,7,8-HxCDF at 0.086 pg/g, leading to a qualification limit of 0.43 pg/g
- 1,2,3,7,8,9-HxCDF at 0.082 pg/g, leading to a qualification limit of 0.41 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.356 pg/g, leading to a qualification limit of 1.78 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.31 pg/g, leading to a qualification limit of 1.55 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD results in samples SIB-SC-E23-11-12-07/12/2022, SIB-SC-E23-12-13-07/12/2022, and SIB-SC-F23-8-9-07/13/2022
- The 1,2,3,7,8,9-HxCDD result in sample SIB-SC-F23-9-10-07/13/2022
- The 2,3,7,8-TCDF results in samples SIB-SC-E23-11-12-07/12/2022, SIB-SC-E23-12-13-07/12/2022, SIB-SC-F23-9-10-07/13/2022, and SIB-SC-F23-8-9-07/13/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-E23-11-12-07/12/2022, SIB-SC-E23-12-13-07/12/2022, SIB-SC-F23-9-10-07/13/2022, and SIB-SC-F23-8-9-07/13/2022.
- The 2,3,4,7,8-PeCDF results in samples SIB-SC-F23-9-10-07/13/2022 and SIB-SC-F23-8-9-07/13/2022
- The 1,2,3,4,7,8-HxCDF result in sample SIB-SC-F23-9-10-07/13/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-F23-9-10-07/13/2022 and SIB-SC-F23-8-9-07/13/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-F23-9-10-07/13/2022 and SIB-SC-F23-8-9-07/13/2022
- The 1,2,3,7,8,9-HxCDF results in samples SIB-SC-E23-11-12-07/12/2022, SIB-SC-E23-12-13-07/12/2022, and SIB-SC-F23-8-9-07/13/2022
- The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-F23-9-10-07/13/2022
- The 1,2,3,4,6,7,8,9-OCDF result in sample SIB-SC-F23-9-10-07/13/2022

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/12/22. The rinse blank was free from contamination.

Rinse blank EB02-07/13/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 7/13/22. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analysis was performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a "K" flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E23-11-12-07/12/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.383	JK	0.383	J	EMPC
SIB-SC-E23-11-12-07/12/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.387	BJK	0.387	UJ	MBL,EMPC
SIB-SC-E23-11-12-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.499	BJ	0.499	U	MBL
SIB-SC-E23-11-12-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.419	BJ	0.419	U	MBL
SIB-SC-E23-11-12-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.655	BJ	0.655	U	MBL
SIB-SC-E23-12-13-07/12/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.19	JK	1.19	J	EMPC
SIB-SC-E23-12-13-07/12/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.375	BJ	0.375	U	MBL
SIB-SC-E23-12-13-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.483	BJ	0.483	U	MBL
SIB-SC-E23-12-13-07/12/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.361	BJK	0.361	UJ	MBL,EMPC
SIB-SC-E23-12-13-07/12/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.583	BJ	0.583	U	MBL
SIB-SC-E23-12-13-07/12/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.176	JK	0.176	J	EMPC
SIB-SC-F23-7-8-07/13/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.32	JK	1.32	J	EMPC
SIB-SC-F23-7-8-07/13/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.99	--	1.99	DNR	EXC
SIB-SC-F23-7-8-07/13/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.69	K	1.69	J	EMPC
SIB-SC-F23-9-10-07/13/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.22	BJ	0.22	U	MBL
SIB-SC-F23-9-10-07/13/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0839	BJK	0.0839	UJ	MBL,EMPC
SIB-SC-F23-9-10-07/13/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0759	BJ	0.0759	U	MBL
SIB-SC-F23-9-10-07/13/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.104	BJK	0.104	UJ	MBL,EMPC
SIB-SC-F23-9-10-07/13/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0919	BJ	0.0919	U	MBL
SIB-SC-F23-9-10-07/13/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0539	BJK	0.0539	UJ	MBL,EMPC
SIB-SC-F23-9-10-07/13/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0699	BJ	0.0699	U	MBL
SIB-SC-F23-9-10-07/13/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.272	BJ	0.272	U	MBL
SIB-SC-F23-9-10-07/13/2022	OCTACHLORODIBENZOFURAN	0.224	BJ	0.224	U	MBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F23-8-9-07/13/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.202	JK	0.202	J	EMPC
SIB-SC-F23-8-9-07/13/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.32	BJ	0.32	U	MBL
SIB-SC-F23-8-9-07/13/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.182	BJ	0.182	U	MBL
SIB-SC-F23-8-9-07/13/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.152	BJ	0.152	U	MBL
SIB-SC-F23-8-9-07/13/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.134	BJK	0.134	UJ	MBL,EMPC
SIB-SC-F23-8-9-07/13/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.328	BJ	0.328	U	MBL
SIB-SC-F23-8-9-07/13/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.43	BJ	0.43	U	MBL
SIB-SC-F23-8-9-07/13/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.318	BJ	0.318	U	MBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21598
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.15.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.21.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-B04-7-8-09/04/2022	21598001	Sediment
SIB-SC-B04-8-9-09/04/2022	21598002	Sediment
SIB-SC-B04-9-9-8-09/04/2022	21598003	Sediment
SIB-SC-B26-6-7-08/23/2022	21598004	Sediment
SIB-SC-B26-10-11-08/23/2022	21598005	Sediment
SIB-SC-B26-11-12-08/23/2022	21598006	Sediment
SIB-SC-C11-10-11-08/20/2022	21598007	Sediment
SIB-SC-C11-11-12-08/20/2022	21598008	Sediment
SIB-SC-C11-12-13-08/20/2022	21598009	Sediment
SIB-SC-C13-9-10-08/03/2022	21598010	Sediment
SIB-SC-C13-10-11-08/03/2022	21598011	Sediment
SIB-SC-C13-11-12-08/03/2022	21598012	Sediment
SIB-SC-C14-6-7-08/04/2022	21598013	Sediment
SIB-SC-C14-7-8-08/04/2022	21598014	Sediment
SIB-SC-C14-9-10-08/04/2022	21598015	Sediment
SIB-SC-C14-10-11-08/04/2022	21598016	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with the following target analytes:

- 1,2,3,4,6,7,8,9-OCDD at 1.82 pg/g, leading to a qualification limit of 9.1 pg/g
- 2,3,7,8-TCDF at 0.262 pg/g, leading to a qualification limit of 1.31 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,6,7,8,9-OCDD result in sample SIB-SC-B26-10-11-08/23/2022
- The 2,3,7,8-TCDF results in samples SIB-SC-B04-7-8-09/04/2022, SIB-SC-B04-8-9-09/04/2022, SIB-SC-B26-6-7-08/23/2022, SIB-SC-B26-10-11-08/23/2022, SIB-SC-C11-10-11-08/20/2022, SIB-SC-C11-11-12-08/20/2022, and SIB-SC-C14-7-8-08/04/2022

Rinsate Blanks – Rinse blank EB06-08/04/2022 (results reported in SDG 202187) is associated with all samples in this SDG with sample dates of 8/3/22 and 8/4/22. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG with a sample date of 08/20/22. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples in this SDG with a sample date of 8/23/22. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL. No detected results were below the associated qualification limits and no qualification is required.

Rinse blank EB10-09/05/2022 (results reported in SDG 20342) is associated with all samples in this SDG with a sample date of 9/4/22. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 2.18 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB10-09/05/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analysis was performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD result for 1 affected sample is qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- One OCDD result reported with a laboratory qualifier of E is qualified J with reason code ACR; note that the reportable_result field for this result is populated with “No” by the laboratory and is changed to “Yes” for the affected result.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B04-7-8-09/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.344	JK	0.344	J	EMPC
SIB-SC-B04-7-8-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.428	BJ	0.428	U	MBL
SIB-SC-B04-7-8-09/04/2022	OCTACHLORODIBENZOFURAN	7.03	JK	7.03	J	EMPC
SIB-SC-B04-8-9-09/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.29	JK	2.29	J	EMPC
SIB-SC-B04-8-9-09/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.45	BJK	0.45	UJ	MBL,EMPC
SIB-SC-B26-6-7-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.426	BJK	0.426	UJ	MBL,EMPC
SIB-SC-B26-6-7-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	9.79	BJK	9.79	J	EMPC
SIB-SC-B26-10-11-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.399	BJ	0.399	U	MBL
SIB-SC-B26-10-11-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	8.92	BJ	8.92	U	MBL
SIB-SC-C11-10-11-08/20/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.377	BJ	0.377	U	MBL
SIB-SC-C11-11-12-08/20/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.437	BJK	0.437	UJ	MBL,EMPC
SIB-SC-C11-12-13-08/20/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.95	JK	1.95	J	EMPC
SIB-SC-C13-9-10-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.69	JK	2.69	J	EMPC
SIB-SC-C14-6-7-08/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.38	JK	4.38	J	EMPC
SIB-SC-C14-6-7-08/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.35	K	9.35	J	EMPC
SIB-SC-C14-6-7-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.76	BK	1.76	DNR	EXC
SIB-SC-C14-6-7-08/04/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.152	JK	0.152	J	EMPC
SIB-SC-C14-6-7-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	4300	E	4300	J	ACR
SIB-SC-C14-7-8-08/04/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.865	JK	0.865	J	EMPC
SIB-SC-C14-7-8-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.26	BK	1.26	DNR	EXC
SIB-SC-C14-7-8-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.847	BJ	0.847	U	MBL
SIB-SC-C14-9-10-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	12.2	BK	12.2	J	EMPC
SIB-SC-C14-10-11-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.45	JK	3.45	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21599
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.07.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C20-7-8-08/24/2022	21599001	Sediment
SIB-SC-C20-8-8.5-08/24/2022	21599002	Sediment
SIB-SC-C22-7-8-08/10/2022	21599003	Sediment
SIB-SC-C22-8-9-08/10/2022	21599004	Sediment
SIB-SC-C26-10-11-08/23/2022	21599005	Sediment
SIB-SC-C26-11-12-08/23/2022	21599006	Sediment
SIB-SC-D10-7-8-08/03/2022	21599007	Sediment
SIB-SC-D10-8-8.5-08/03/2022	21599008	Sediment
SIB-SC-D15-10-11-08/02/2022	21599009	Sediment
SIB-SC-D15-11-12-08/02/2022	21599010	Sediment
SIB-SC-D15-12-12.9-08/02/2022	21599011	Sediment
SIB-SC-D37-6-7-08/25/2022	21599012	Sediment
SIB-SC-D37-7-8-08/25/2022	21599013	Sediment
SIB-SC-D37-8-8.3-08/25/2022	21599014	Sediment
SIB-SC-E07-6-7-08/06/2022	21599015	Sediment
SIB-SC-E07-7-7.5-08/06/2022	21599016	Sediment
SIB-SC-E10-9-10-08/05/2022	21599017	Sediment
SIB-SC-E10-10-11-08/05/2022	21599018	Sediment
SIB-SC-E10-11-12-08/05/2022	21599019	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.232 pg/g, leading to a qualification limit of 1.16 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.612 pg/g, leading to a qualification limit of 3.06 pg/g
- 2,3,7,8-TCDF at 0.136 pg/g, leading to a qualification limit of 0.68 pg/g
- 1,2,3,7,8-PeCDF at 0.126 pg/g, leading to a qualification limit of 0.63 pg/g
- 1,2,3,4,7,8-HxCDF at 0.132 pg/g, leading to a qualification limit of 0.66 pg/g
- 1,2,3,6,7,8-HxCDF at 0.102 pg/g, leading to a qualification limit of 0.51 pg/g
- 2,3,4,6,7,8-HxCDF at 0.078 pg/g, leading to a qualification limit of 0.39 pg/g
- 1,2,3,7,8,9-HxCDF at 0.078 pg/g, leading to a qualification limit of 0.39 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.3 pg/g, leading to a qualification limit of 1.5 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.174 pg/g, leading to a qualification limit of 0.87 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 2,3,7,8-TCDF results in samples SIB-SC-C22-8-9-08/10/2022, SIB-SC-D10-8-8.5-08/03/2022, SIB-SC-D15-10-11-08/02/2022, SIB-SC-D15-11-12-08/02/2022, SIB-SC-D15-12-12.9-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, SIB-SC-E07-7-7.5-08/06/2022, SIB-SC-E10-9-10-08/05/2022, SIB-SC-E10-10-11-08/05/2022, and SIB-SC-E10-11-12-08/05/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-C22-8-9-08/10/2022, SIB-SC-D10-8-8.5-08/03/2022, SIB-SC-D15-10-11-08/02/2022, SIB-SC-D15-11-12-08/02/2022, SIB-SC-D15-12-12.9-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, SIB-SC-E07-7-7.5-08/06/2022, SIB-SC-E10-9-10-08/05/2022, SIB-SC-E10-10-11-08/05/2022, and SIB-SC-E10-11-12-08/05/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-C22-8-9-08/10/2022, SIB-SC-D15-11-12-08/02/2022, SIB-SC-D15-12-12.9-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, SIB-SC-E07-7-7.5-08/06/2022, SIB-SC-E10-10-11-08/05/2022, and SIB-SC-E10-11-12-08/05/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-C22-8-9-08/10/2022, SIB-SC-D15-11-12-08/02/2022, SIB-SC-D15-12-12.9-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, SIB-SC-E07-7-7.5-08/06/2022, and SIB-SC-E10-11-12-08/05/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-C22-8-9-08/10/2022, SIB-SC-D15-11-12-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, and SIB-SC-E10-11-12-08/05/2022
- The 1,2,3,7,8,9-HxCDF results in samples SIB-SC-C22-7-8-08/10/2022, SIB-SC-E10-9-10-08/05/2022, and SIB-SC-E10-10-11-08/05/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-D10-8-8.5-08/03/2022, SIB-SC-D15-12-12.9-08/02/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-8-8.3-08/25/2022, SIB-SC-E07-6-7-08/06/2022, and SIB-SC-E07-7-7.5-08/06/2022
- The 1,2,3,4,6,7,8,9-OCDF results in samples SIB-SC-D10-8-8.5-08/03/2022, SIB-SC-D15-12-12.9-08/02/2022, and SIB-SC-E07-7-7.5-08/06/2022

Rinsate Blanks – Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/02/2022, 08/03/2022, 08/05/2022, and 08/06/2022. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No

additional qualification is required.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/10/2022. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395 pg/g
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/23/2022, 08/24/2022, and 08/25/2022. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,6,7,8-HxCDD results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 1,2,3,7,8,9-HxCDD results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-C20-8-8.5-08/24/2022, SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 2,3,4,7,8-PeCDF results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-D37-6-7-08/25/2022, SIB-SC-D37-7-8-08/25/2022, and SIB-SC-D37-8-8.3-08/25/2022
- The 1,2,3,4,7,8,9-HpCDF results in samples SIB-SC-D37-6-7-08/25/2022 and SIB-SC-D37-7-8-08/25/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-C26-11-12-08/23/2022. The MS and/or MSD had a %R outside of control limits for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8,9-OCDF, however, the sample concentration of 1,2,3,4,6,7,8,9-OCDD was >4x the spike concentration and the %R results are not applicable. The results of 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDF in the parent sample should be qualified J. All RPDs were within control limits with the exception of 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF. These results should be qualified J in the parent sample.

***Qualification:* In sample SIB-SC-C26-11-12-08/23/2022, the 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDF results are qualified J, reason code MSL,MSH,MSP and the 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8-HpCDF results are qualified J, reason code MSP.**

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 3 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Three OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C20-7-8-08/24/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	6.14	K	6.14	J	EMPC
SIB-SC-C20-7-8-08/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.43	--	3.43	DNR	EXC
SIB-SC-C20-7-8-08/24/2022	OCTACHLORODIBENZO-P-DIOXIN	11700	E	11700	J	ACR
SIB-SC-C20-8-8.5-08/24/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.36	J	1.36	U	EBL
SIB-SC-C20-8-8.5-08/24/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.76	JK	1.76	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.18	BK	1.18	DNR	EXC
SIB-SC-C20-8-8.5-08/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.934	BJK	0.934	J	EMPC
SIB-SC-C22-7-8-08/10/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.36	BJK	0.36	UJ	MBL,EMPC
SIB-SC-C22-7-8-08/10/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.298	JK	0.298	J	EMPC
SIB-SC-C22-8-9-08/10/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.281	BJ	0.281	U	MBL,EBL
SIB-SC-C22-8-9-08/10/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.202	BJK	0.202	UJ	MBL,EMPC
SIB-SC-C22-8-9-08/10/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.128	BJ	0.128	U	MBL
SIB-SC-C22-8-9-08/10/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.114	JK	0.114	J	EMPC
SIB-SC-C22-8-9-08/10/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.132	BJK	0.132	UJ	MBL,EMPC
SIB-SC-C22-8-9-08/10/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.315	BJ	0.315	U	MBL
SIB-SC-C26-10-11-08/23/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	9.12	K	9.12	J	EMPC
SIB-SC-C26-10-11-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.39	--	5.39	DNR	EXC
SIB-SC-C26-10-11-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	12000	E	12000	J	ACR
SIB-SC-C26-11-12-08/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	112	--	112	J	MSP
SIB-SC-C26-11-12-08/23/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	374	--	374	J	MSL,MSH,MSP
SIB-SC-C26-11-12-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.08	B	1.08	DNR	EXC
SIB-SC-C26-11-12-08/23/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.28	BK	1.28	J	EMPC
SIB-SC-C26-11-12-08/23/2022	OCTACHLORODIBENZOFURAN	311	--	311	J	MSL,MSH,MSP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C26-11-12-08/23/2022	OCTACHLORODIBENZO-P-DIOXIN	6250	E	6250	J	MSP,ACR
SIB-SC-D10-7-8-08/03/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.867	JK	0.867	J	EMPC
SIB-SC-D10-8-8.5-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.542	BJ	0.542	U	MBL
SIB-SC-D10-8-8.5-08/03/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.128	BJK	0.128	UJ	MBL,EMPC
SIB-SC-D10-8-8.5-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.227	BJ	0.227	U	MBL
SIB-SC-D10-8-8.5-08/03/2022	OCTACHLORODIBENZOFURAN	0.468	BJ	0.468	U	MBL
SIB-SC-D15-10-11-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.484	BJ	0.484	U	MBL
SIB-SC-D15-10-11-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.465	BJK	0.465	UJ	MBL,EMPC
SIB-SC-D15-11-12-08/02/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.261	JK	0.261	J	EMPC
SIB-SC-D15-11-12-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.291	BJK	0.291	UJ	MBL,EMPC
SIB-SC-D15-11-12-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.311	BJK	0.311	UJ	MBL,EMPC
SIB-SC-D15-11-12-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.12	BJK	0.12	UJ	MBL,EMPC
SIB-SC-D15-11-12-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.0898	JK	0.0898	J	EMPC
SIB-SC-D15-11-12-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.198	BJK	0.198	UJ	MBL,EMPC
SIB-SC-D15-11-12-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.325	BJ	0.325	U	MBL
SIB-SC-D15-12-12.9-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.628	BJ	0.628	U	MBL
SIB-SC-D15-12-12.9-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.182	BJK	0.182	UJ	MBL,EMPC
SIB-SC-D15-12-12.9-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.12	BJ	0.12	U	MBL
SIB-SC-D15-12-12.9-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.228	JK	0.228	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D15-12-12.9-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.118	BJK	0.118	UJ	MBL,EMPC
SIB-SC-D15-12-12.9-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.26	BJK	0.26	UJ	MBL,EMPC
SIB-SC-D15-12-12.9-08/02/2022	OCTACHLORODIBENZOFURAN	0.464	BJ	0.464	U	MBL
SIB-SC-D37-6-7-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.99	BJ	0.99	U	MBL
SIB-SC-D37-6-7-08/25/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.129	J	0.129	U	EBL
SIB-SC-D37-6-7-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.125	BJ	0.125	U	MBL,EBL
SIB-SC-D37-6-7-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.173	BJK	0.173	UJ	MBL,EBL,EMPC
SIB-SC-D37-6-7-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.161	JK	0.161	UJ	EBL,EMPC
SIB-SC-D37-6-7-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.121	JK	0.121	UJ	EBL,EMPC
SIB-SC-D37-6-7-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0875	BJK	0.0875	UJ	MBL,EBL,EMPC
SIB-SC-D37-6-7-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0994	BJK	0.0994	UJ	MBL,EBL,EMPC
SIB-SC-D37-6-7-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0935	J	0.0935	U	EBL
SIB-SC-D37-6-7-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.262	BJK	0.262	UJ	MBL,EMPC
SIB-SC-D37-7-8-08/25/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.173	JK	0.173	UJ	EBL,EMPC
SIB-SC-D37-7-8-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.197	BJ	0.197	U	MBL,EBL
SIB-SC-D37-7-8-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.207	BJ	0.207	U	MBL,EBL
SIB-SC-D37-7-8-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.223	J	0.223	U	EBL
SIB-SC-D37-7-8-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.183	JK	0.183	UJ	EBL,EMPC
SIB-SC-D37-7-8-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.115	BJ	0.115	U	MBL,EBL
SIB-SC-D37-7-8-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.119	BJ	0.119	U	MBL,EBL
SIB-SC-D37-7-8-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.127	J	0.127	U	EBL
SIB-SC-D37-7-8-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.227	BJK	0.227	UJ	MBL,EMPC
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.32	BJ	1.32	U	MBL
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.161	BJ	0.161	U	MBL,EBL
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.165	BJK	0.165	UJ	MBL,EBL,EMPC
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.231	J	0.231	U	EBL
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.11	J	0.11	U	EBL
SIB-SC-D37-8-8.3-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.102	BJ	0.102	U	MBL,EBL
SIB-SC-D37-8-8.3-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.114	BJK	0.114	UJ	MBL,EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D37-8-8.3-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0877	J	0.0877	U	EBL
SIB-SC-D37-8-8.3-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.263	BJK	0.263	UJ	MBL,EMPC
SIB-SC-E07-6-7-08/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.764	BJ	0.764	U	MBL
SIB-SC-E07-6-7-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.116	BJK	0.116	UJ	MBL,EMPC
SIB-SC-E07-6-7-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.132	BJK	0.132	UJ	MBL,EMPC
SIB-SC-E07-6-7-08/06/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.208	JK	0.208	J	EMPC
SIB-SC-E07-6-7-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.104	BJK	0.104	UJ	MBL,EMPC
SIB-SC-E07-6-7-08/06/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0599	BJ	0.0599	U	MBL
SIB-SC-E07-6-7-08/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.204	BJK	0.204	UJ	MBL,EMPC
SIB-SC-E07-7-7.5-08/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.564	BJ	0.564	U	MBL
SIB-SC-E07-7-7.5-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.128	BJK	0.128	UJ	MBL,EMPC
SIB-SC-E07-7-7.5-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.106	BJK	0.106	UJ	MBL,EMPC
SIB-SC-E07-7-7.5-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0917	BJK	0.0917	UJ	MBL,EMPC
SIB-SC-E07-7-7.5-08/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.229	BJK	0.229	UJ	MBL,EMPC
SIB-SC-E07-7-7.5-08/06/2022	OCTACHLORODIBENZOFURAN	0.405	BJ	0.405	U	MBL
SIB-SC-E10-9-10-08/05/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.217	BJK	0.217	UJ	MBL,EMPC
SIB-SC-E10-9-10-08/05/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.29	JK	1.29	J	EMPC
SIB-SC-E10-9-10-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.309	BJ	0.309	U	MBL
SIB-SC-E10-9-10-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.313	JK	0.313	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.313	BJ	0.313	U	MBL
SIB-SC-E10-9-10-08/05/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.183	JK	0.183	J	EMPC
SIB-SC-E10-10-11-08/05/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.7	BJ	0.7	U	MBL
SIB-SC-E10-10-11-08/05/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.172	BJ	0.172	U	MBL
SIB-SC-E10-10-11-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.281	BJ	0.281	U	MBL
SIB-SC-E10-10-11-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.247	JK	0.247	J	EMPC
SIB-SC-E10-10-11-08/05/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.451	BJK	0.451	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E10-10-11-08/05/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.411	BJ	0.411	U	MBL
SIB-SC-E10-11-12-08/05/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.149	JK	0.149	J	EMPC
SIB-SC-E10-11-12-08/05/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.233	BJK	0.233	UJ	MBL,EMPC
SIB-SC-E10-11-12-08/05/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.185	BJ	0.185	U	MBL
SIB-SC-E10-11-12-08/05/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.163	JK	0.163	J	EMPC
SIB-SC-E10-11-12-08/05/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.123	JK	0.123	J	EMPC
SIB-SC-E10-11-12-08/05/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.117	BJ	0.117	U	MBL
SIB-SC-E10-11-12-08/05/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.108	BJ	0.108	U	MBL
SIB-SC-E10-11-12-08/05/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0896	JK	0.0896	J	EMPC
SIB-SC-E10-11-12-08/05/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.277	BJK	0.277	UJ	MBL,EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21600
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 08.15.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-E11-8-9-08/04/2022	21600001	Sediment
SIB-SC-E11-9-10-08/04/2022	21600002	Sediment
SIB-SC-E11-13-14-08/04/2022	21600003	Sediment
SIB-SC-E11-14-14.7-08/04/2022	21600004	Sediment
SIB-SC-E13-9-10-08/03/2022	21600005	Sediment
SIB-SC-E13-10-11-08/03/2022	21600006	Sediment
SIB-SC-E13-11-12-08/03/2022	21600007	Sediment
SIB-SC-E14-10-11-08/03/2022	21600008	Sediment
SIB-SC-E14-11-12-08/03/2022	21600009	Sediment
SIB-SC-E14-12-12.4-08/03/2022	21600010	Sediment
SIB-SC-E15-9-10-08/02/2022	21600011	Sediment
SIB-SC-E15-10-11-08/02/2022	21600012	Sediment
SIB-SC-E15-11-11.8-08/02/2022	21600013	Sediment
SIB-SC-E33-17-18-07/25/2022	21600014	Sediment
SIB-SC-E33-18-19-07/25/2022	21600015	Sediment
SIB-SC-E37-8-9-08/25/2022	21600016	Sediment
SIB-SC-E37-9-9.5-08/25/2022	21600017	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with several target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.226 pg/g, leading to a qualification limit of 1.13 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 1.17 pg/g, leading to a qualification limit of 5.85 pg/g

- 2,3,7,8-TCDF at 0.166 pg/g, leading to a qualification limit of 0.83 pg/g
- 1,2,3,7,8-PeCDF at 0.102 pg/g, leading to a qualification limit of 0.51 pg/g
- 1,2,3,4,7,8-HxCDF at 0.112 pg/g, leading to a qualification limit of 0.56 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.276 pg/g, leading to a qualification limit of 1.38 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.266 pg/g, leading to a qualification limit of 1.33 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,6,7,8-HpCDD result in sample SIB-SC-E13-11-12-08/03/2022
- The 2,3,7,8-TCDF results in samples SIB-SC-E11-8-9-08/04/2022, SIB-SC-E11-9-10-08/04/2022, SIB-SC-E11-13-14-08/04/2022, SIB-SC-E11-14-14.7-08/04/2022, SIB-SC-E13-9-10-08/03/2022, SIB-SC-E13-10-11-08/03/2022, SIB-SC-E13-11-12-08/03/2022, SIB-SC-E14-10-11-08/03/2022, SIB-SC-E14-11-12-08/03/2022, SIB-SC-E14-12-12.4-08/03/2022, SIB-SC-E15-9-10-08/02/2022, SIB-SC-E15-10-11-08/02/2022, and SIB-SC-E15-11-11.8-08/02/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-E11-14-14.7-08/04/2022, SIB-SC-E13-10-11-08/03/2022, and SIB-SC-E15-10-11-08/02/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-E13-9-10-08/03/2022, SIB-SC-E13-10-11-08/03/2022, SIB-SC-E14-10-11-08/03/2022, SIB-SC-E14-11-12-08/03/2022, SIB-SC-E14-12-12.4-08/03/2022, SIB-SC-E15-9-10-08/02/2022, SIB-SC-E15-10-11-08/02/2022, and SIB-SC-E15-11-11.8-08/02/2022
- The 1,2,3,4,6,7,8-HxCDF results in samples SIB-SC-E11-13-14-08/04/2022, SIB-SC-E11-14-14.7-08/04/2022, SIB-SC-E13-9-10-08/03/2022, SIB-SC-E13-10-11-08/03/2022, SIB-SC-E13-11-12-08/03/2022, SIB-SC-E14-10-11-08/03/2022, SIB-SC-E14-11-12-08/03/2022, SIB-SC-E14-12-12.4-08/03/2022, and SIB-SC-E15-11-11.8-08/02/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-E11-9-10-08/04/2022, SIB-SC-E11-13-14-08/04/2022, SIB-SC-E11-14-14.7-08/04/2022, SIB-SC-E13-9-10-08/03/2022, SIB-SC-E13-10-11-08/03/2022, SIB-SC-E13-10-11-08/03/2022, SIB-SC-E13-11-12-08/03/2022, SIB-SC-E14-10-11-08/03/2022, SIB-SC-E14-10-11-08/03/2022, SIB-SC-E14-11-12-08/03/2022, and SIB-SC-E15-11-11.8-08/02/2022

Rinsate Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG with a sample date of 7/25/22. The rinse blank was free from contamination.

Rinse blank EB06-08/04/2022 (results reported in SDG 202187) is associated with all samples in this SDG with sample dates of 8/2/22, 8/3/22, and 8/4/22. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples in this SDG with a sample date of 8/25/22. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g

- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL. All detected results for the analytes detected in the equipment blanks are greater than the qualification limits and no qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – MS/MSD analysis was performed on sample SIB-SC-E11-8-9-08/04/2022. 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8-HpCDF recovered low in the MS and MSD, and 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF recovered extremely low in the MS and MSD. All other %Rs and RPDs were within control limits. The 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8-HpCDF results in sample SIB-SC-E11-8-9-08/04/2022 should be qualified J-MSL and the 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF results should be qualified J-MSLX.

***Qualification:* In sample SIB-SC-E11-8-9-08/04/2022, the 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8-HpCDF results are qualified J-MSL and the 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF results are qualified J-MSLX.**

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 4 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Four OCDD results reported with laboratory qualifiers of E are qualified J with reason code ACR; note that the reportable_result field for these results is populated with "No" by the laboratory and is changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E11-8-9-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	40.9	--	40.9	J	MSL
SIB-SC-E11-8-9-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	88.7	--	88.7	J	MSL
SIB-SC-E11-8-9-08/04/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.948	BJK	0.948	J	EMPC
SIB-SC-E11-8-9-08/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.876	JK	0.876	J	EMPC
SIB-SC-E11-8-9-08/04/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.278	JK	0.278	J	EMPC
SIB-SC-E11-8-9-08/04/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.287	JK	0.287	J	EMPC
SIB-SC-E11-8-9-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.451	BJ	0.451	U	MBL
SIB-SC-E11-8-9-08/04/2022	OCTACHLORODIBENZOFURAN	188	--	188	J	MSLX
SIB-SC-E11-8-9-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	629	--	629	J	MSLX
SIB-SC-E11-9-10-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.275	BJ	0.275	U	MBL
SIB-SC-E11-9-10-08/04/2022	OCTACHLORODIBENZOFURAN	0.594	BJ	0.594	U	MBL
SIB-SC-E11-13-14-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.274	BJ	0.274	U	MBL
SIB-SC-E11-13-14-08/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.222	JK	0.222	J	EMPC
SIB-SC-E11-13-14-08/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.166	JK	0.166	J	EMPC
SIB-SC-E11-13-14-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.302	BJ	0.302	U	MBL
SIB-SC-E11-13-14-08/04/2022	OCTACHLORODIBENZOFURAN	0.298	BJ	0.298	U	MBL
SIB-SC-E11-14-14.7-08/04/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.34	BJ	0.34	U	MBL
SIB-SC-E11-14-14.7-08/04/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.216	JK	0.216	J	EMPC
SIB-SC-E11-14-14.7-08/04/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.114	BJK	0.114	UJ	MBL,EMPC
SIB-SC-E11-14-14.7-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.352	BJK	0.352	UJ	MBL,EMPC
SIB-SC-E11-14-14.7-08/04/2022	OCTACHLORODIBENZOFURAN	0.344	BJK	0.344	UJ	MBL,EMPC
SIB-SC-E13-9-10-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.197	BJK	0.197	UJ	MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E13-9-10-08/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0717	BJK	0.0717	UJ	MBL,EMPC
SIB-SC-E13-9-10-08/03/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.163	JK	0.163	J	EMPC
SIB-SC-E13-9-10-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.285	BJK	0.285	UJ	MBL,EMPC
SIB-SC-E13-9-10-08/03/2022	OCTACHLORODIBENZOFURAN	0.249	BJ	0.249	U	MBL
SIB-SC-E13-10-11-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.25	BJ	0.25	U	MBL
SIB-SC-E13-10-11-08/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0979	BJK	0.0979	UJ	MBL,EMPC
SIB-SC-E13-10-11-08/03/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.0879	BJ	0.0879	U	MBL
SIB-SC-E13-10-11-08/03/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0539	JK	0.0539	J	EMPC
SIB-SC-E13-10-11-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.224	BJ	0.224	U	MBL
SIB-SC-E13-10-11-08/03/2022	OCTACHLORODIBENZOFURAN	0.274	BJ	0.274	U	MBL
SIB-SC-E13-11-12-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.175	BJ	0.175	U	MBL
SIB-SC-E13-11-12-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.12	BJ	1.12	U	MBL
SIB-SC-E13-11-12-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.307	BJ	0.307	U	MBL
SIB-SC-E13-11-12-08/03/2022	OCTACHLORODIBENZOFURAN	0.181	BJK	0.181	UJ	MBL,EMPC
SIB-SC-E14-10-11-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.532	BJ	0.532	U	MBL
SIB-SC-E14-10-11-08/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0936	BJ	0.0936	U	MBL
SIB-SC-E14-10-11-08/03/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0817	JK	0.0817	J	EMPC
SIB-SC-E14-10-11-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.269	BJ	0.269	U	MBL
SIB-SC-E14-10-11-08/03/2022	OCTACHLORODIBENZOFURAN	0.934	BJ	0.934	U	MBL
SIB-SC-E14-11-12-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.329	BJ	0.329	U	MBL
SIB-SC-E14-11-12-08/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0753	BJK	0.0753	UJ	MBL,EMPC
SIB-SC-E14-11-12-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.21	BJ	0.21	U	MBL
SIB-SC-E14-11-12-08/03/2022	OCTACHLORODIBENZOFURAN	0.783	BJ	0.783	U	MBL
SIB-SC-E14-12-12.4-08/03/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.398	BJ	0.398	U	MBL
SIB-SC-E14-12-12.4-08/03/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0839	BJ	0.0839	U	MBL
SIB-SC-E14-12-12.4-08/03/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.062	JK	0.062	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E14-12-12.4-08/03/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.13	JK	0.13	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.22	BJK	0.22	UJ	MBL,EMPC
SIB-SC-E14-12-12.4-08/03/2022	OCTACHLORODIBENZOFURAN	0.672	BJK	0.672	UJ	MBL,EMPC
SIB-SC-E15-9-10-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.393	BJ	0.393	U	MBL
SIB-SC-E15-9-10-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.242	JK	0.242	J	EMPC
SIB-SC-E15-9-10-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.136	JK	0.136	J	EMPC
SIB-SC-E15-9-10-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.242	JK	0.242	J	EMPC
SIB-SC-E15-9-10-08/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.313	JK	0.313	J	EMPC
SIB-SC-E15-9-10-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.232	BJ	0.232	U	MBL
SIB-SC-E15-10-11-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.143	BJK	0.143	UJ	MBL,EMPC
SIB-SC-E15-10-11-08/02/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.271	JK	0.271	J	EMPC
SIB-SC-E15-10-11-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.368	JK	0.368	J	EMPC
SIB-SC-E15-10-11-08/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.125	BJ	0.125	U	MBL
SIB-SC-E15-10-11-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.315	BJK	0.315	UJ	MBL,EMPC
SIB-SC-E15-11-11.8-08/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.236	BJK	0.236	UJ	MBL,EMPC
SIB-SC-E15-11-11.8-08/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.109	BJK	0.109	UJ	MBL,EMPC
SIB-SC-E15-11-11.8-08/02/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.298	JK	0.298	J	EMPC
SIB-SC-E15-11-11.8-08/02/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.282	BJ	0.282	U	MBL
SIB-SC-E15-11-11.8-08/02/2022	OCTACHLORODIBENZOFURAN	0.333	BJK	0.333	UJ	MBL,EMPC
SIB-SC-E33-17-18-07/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.05	JK	2.05	J	EMPC
SIB-SC-E33-17-18-07/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.26	JK	1.26	J	EMPC
SIB-SC-E33-17-18-07/25/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.664	K	0.664	J	EMPC
SIB-SC-E33-17-18-07/25/2022	OCTACHLORODIBENZO-P-DIOXIN	7220	E	7220	J	ACR
SIB-SC-E33-18-19-07/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.57	JK	2.57	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E33-18-19-07/25/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.769	K	0.769	J	EMPC
SIB-SC-E33-18-19-07/25/2022	OCTACHLORODIBENZO-P-DIOXIN	7460	E	7460	J	ACR
SIB-SC-E37-8-9-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.44	K	3.44	J	EMPC
SIB-SC-E37-8-9-08/25/2022	OCTACHLORODIBENZO-P-DIOXIN	6550	E	6550	J	ACR
SIB-SC-E37-9-9.5-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.42	JK	2.42	J	EMPC
SIB-SC-E37-9-9.5-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.16	K	2.16	J	EMPC
SIB-SC-E37-9-9.5-08/25/2022	OCTACHLORODIBENZO-P-DIOXIN	4910	E	4910	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21601
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.08.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-F11-6-7-08/06/2022	21601001	Sediment
SIB-SC-F11-7-8-08/06/2022	21601002	Sediment
SIB-SC-F11-11-12-08/06/2022	21601003	Sediment
SIB-SC-F11-12-13-08/06/2022	21601004	Sediment
SIB-SC-F12-7-8-08/06/2022	21601005	Sediment
SIB-SC-F12-8-9-08/06/2022	21601006	Sediment
SIB-SC-F12-9-10-08/06/2022	21601007	Sediment
SIB-SC-F17-6-7-08/06/2022	21601008	Sediment
SIB-SC-F17-7-8-08/06/2022	21601009	Sediment
SIB-SC-G01-6-6.6-09/02/2022	21601010	Sediment
SIB-SC-L06-6-7-08/21/2022	21601011	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8,9-OCDD at 0.648 pg/g, leading to a qualification limit of 3.24 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.224 pg/g, leading to a qualification limit of 1.12 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

***Qualification:* The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.**

- **The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-F11-11-12-08/06/2022, SIB-SC-F11-12-13-08/06/2022, SIB-SC-F17-7-8-08/06/2022, SIB-SC-G01-6-6.6-09/02/2022, and SIB-SC-L06-6-7-08/21/2022**

Rinsate Blanks – Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/06/2022. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG with sample date 08/21/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB10-09/05/2022 (results reported in SDG 20342) is associated with all samples in this SDG with a sample date of 09/02/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 2.18 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB10-09/05/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-F11-6-7-08/06/2022. For 1,2,3,4,6,7,8,9-OCDD the MS yielded a recovery below control limits and the MSD yielded a recovery above control limits. The 1,2,3,4,6,7,8,9-OCDD result should be qualified J in the parent sample. All RPD results were within control limits with the exception of 1,2,3,4,6,7,8,9-OCDD and 1,2,3,4,6,7,8,9-OCDF. These results should be qualified J in the parent sample.

***Qualification:* In sample SIB-SC-F11-6-7-08/06/2022, the 1,2,3,4,6,7,8,9-OCDD result is qualified J, reason code MSL,MSH,MSP, and the 1,2,3,4,6,7,8,9-OCDF result is qualified J, reason code MSP.**

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a "K" flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F11-6-7-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.459	JK	0.459	J	EMPC
SIB-SC-F11-6-7-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.529	JK	0.529	J	EMPC
SIB-SC-F11-6-7-08/06/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.848	JK	0.848	J	EMPC
SIB-SC-F11-6-7-08/06/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.554	JK	0.554	J	EMPC
SIB-SC-F11-6-7-08/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.544	JK	0.544	J	EMPC
SIB-SC-F11-6-7-08/06/2022	OCTACHLORODIBENZOFURAN	73.2	--	73.2	J	MSP
SIB-SC-F11-6-7-08/06/2022	OCTACHLORODIBENZO-P-DIOXIN	657	--	657	J	MSL,MSH,MSP
SIB-SC-F11-7-8-08/06/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.457	JK	0.457	J	EMPC
SIB-SC-F11-7-8-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.507	JK	0.507	J	EMPC
SIB-SC-F11-7-8-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.315	JK	0.315	J	EMPC
SIB-SC-F11-7-8-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.695	JK	0.695	J	EMPC
SIB-SC-F11-7-8-08/06/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.403	JK	0.403	J	EMPC
SIB-SC-F11-7-8-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.245	JK	0.245	J	EMPC
SIB-SC-F11-7-8-08/06/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.216	JK	0.216	J	EMPC
SIB-SC-F11-11-12-08/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.719	BJ	0.719	U	MBL
SIB-SC-F11-11-12-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.24	JK	0.24	J	EMPC
SIB-SC-F11-11-12-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.0998	JK	0.0998	J	EMPC
SIB-SC-F11-11-12-08/06/2022	OCTACHLORODIBENZOFURAN	0.439	JK	0.439	J	EMPC
SIB-SC-F11-12-13-08/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.657	BJ	0.657	U	MBL
SIB-SC-F11-12-13-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.198	JK	0.198	J	EMPC
SIB-SC-F11-12-13-08/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.274	JK	0.274	J	EMPC
SIB-SC-F11-12-13-08/06/2022	OCTACHLORODIBENZOFURAN	0.555	JK	0.555	J	EMPC
SIB-SC-F12-7-8-08/06/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.61	JK	0.61	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F12-7-8-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.178	JK	0.178	J	EMPC
SIB-SC-F12-7-8-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.71	JK	0.71	J	EMPC
SIB-SC-F12-7-8-08/06/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.283	JK	0.283	J	EMPC
SIB-SC-F12-8-9-08/06/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.421	JK	0.421	J	EMPC
SIB-SC-F12-8-9-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.343	JK	0.343	J	EMPC
SIB-SC-F12-8-9-08/06/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.329	JK	0.329	J	EMPC
SIB-SC-F12-8-9-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.196	JK	0.196	J	EMPC
SIB-SC-F12-9-10-08/06/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.521	JK	0.521	J	EMPC
SIB-SC-F12-9-10-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.33	JK	0.33	J	EMPC
SIB-SC-F12-9-10-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.509	JK	0.509	J	EMPC
SIB-SC-F12-9-10-08/06/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.4	JK	0.4	J	EMPC
SIB-SC-F17-6-7-08/06/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.445	JK	0.445	J	EMPC
SIB-SC-F17-6-7-08/06/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.917	JK	0.917	J	EMPC
SIB-SC-F17-6-7-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.285	JK	0.285	J	EMPC
SIB-SC-F17-6-7-08/06/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.552	JK	0.552	J	EMPC
SIB-SC-F17-6-7-08/06/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.207	JK	0.207	J	EMPC
SIB-SC-F17-7-8-08/06/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.31	BJ	1.31	U	MBL
SIB-SC-F17-7-8-08/06/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.158	JK	0.158	J	EMPC
SIB-SC-G01-6-6.6-09/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.52	BJK	1.52	UJ	MBL,EMPC
SIB-SC-G01-6-6.6-09/02/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.1	JK	1.1	J	EMPC
SIB-SC-G01-6-6.6-09/02/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.235	JK	0.235	J	EMPC
SIB-SC-G01-6-6.6-09/02/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.179	JK	0.179	J	EMPC
SIB-SC-G01-6-6.6-09/02/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.116	JK	0.116	J	EMPC
SIB-SC-G01-6-6.6-09/02/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.132	JK	0.132	J	EMPC
SIB-SC-L06-6-7-08/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.533	BJ	0.533	U	MBL
SIB-SC-L06-6-7-08/21/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.182	JK	0.182	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L06-6-7-08/21/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.105	JK	0.105	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21602
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.15.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-B04-8-9-09/04/2022	21602001	Sediment
SIB-SC-B26-11-12-08/23/2022	21602002	Sediment
SIB-SC-C11-12-13-08/20/2022	21602003	Sediment
SIB-SC-C14-6-7-08/04/2022	21602004	Sediment
SIB-SC-C20-8-8.5-08/24/2022	21602005	Sediment
SIB-SC-D10-7-8-08/03/2022	21602006	Sediment
SIB-SC-E10-9-10-08/05/2022	21602007	Sediment
SIB-SC-E11-9-10-08/04/2022	21602008	Sediment
SIB-SC-E13-11-12-08/03/2022	21602009	Sediment
SIB-SC-E14-12-12.4-08/03/2022	21602010	Sediment
SIB-SC-E33-18-19-07/25/2022	21602011	Sediment
SIB-SC-F11-11-12-08/06/2022	21602012	Sediment
SIB-SC-F17-6-7-08/06/2022	21602013	Sediment
SIB-SC-L06-6-7-08/21/2022	21602014	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank associated with this SDG was contaminated with PCB-61/70/74/76 at a level of 6.08 pg/g, leading to a qualification limit of 30.4 pg/g. Associated detections below the qualification threshold should be qualified U.

***Qualification:* The PCB-61/70/74/76 results in samples SIB-SC-B04-8-9-09/04/2022, SIB-SC-B26-11-12-08/23/2022, SIB-SC-C11-12-13-08/20/2022, SIB-SC-E11-9-10-08/04/2022, SIB-SC-E13-11-12-08/03/2022, SIB-SC-F11-11-12-08/06/2022 are qualified U, reason code MBL.**

Equipment Blanks –Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected on 7.25.22; equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all sediment samples collected 8.3.22, through 8.6.22; equipment blank EB08-08212022 (results reported in SDG 20282) is associated with all sediment samples collected on 8.20.22 and 8.21.22; Equipment blank EB09-08242022 (results reported in SDG 20282) is associated with all sediment samples collected from 8.23.22 and 8.24.22; Equipment blank EB10-09052022 (results reported in SDG 20341) is associated with all sediment samples collected on 9.4.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB05-07262022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25
PCB-17	5.38	5.38	26.9
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

All detected results in the associated sample were greater than the associated qualification limits and no qualification is required.

Qualification: None required.

EB06-08042022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5
PCB-18/30	24	24	120
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

The following results were qualified U-EBL due to contamination in EB06-08042022

- SIB-SC-C14-6-7-08/04/2022: PCB-18/30
- SIB-SC-D10-7-8-08/03/2022: PCB-8, PCB-16, PCB-19
- SIB-SC-E10-9-10-08/05/2022: PCB-8, PCB-16, PCB-17, PCB-18/30, PCB-32
- SIB-SC-E11-9-10-08/04/2022: PCB-99
- SIB-SC-E14-12-12.4-08/03/2022: PCB-17, PCB-18/30, PCB-19, PCB-132
- SIB-SC-F17-6-7-08/06/2022: PCB-17, PCB-18/30, PCB-32, PCB-40/71

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-11	659	659	3295
PCB-12/13	27.7	27.7	138.5
PCB-15	16.7	16.7	83.5
PCB-16	11.0	11.0	55.0
PCB-17	14.9	14.9	74.5
PCB-18/30	29.3	29.3	146.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022

- SIB-SC-C11-12-13-08/20/2022: PCB-11
- SIB-SC-L06-6-7-08/21/2022: PCB-11, PCB-18/30, PCB-32, PCB-40/71, PCB-42

EB09-08242022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.2	31.2	156
PCB-8	53.1	53.1	265.5
PCB-15	24.6	24.6	123
PCB-16	16.7	16.7	83.5
PCB-17	13.7	13.7	68.5
PCB-18/30	32.5	32.5	162.5
PCB-19	6.56	6.56	32.8
PCB-25	3.36	3.36	16.8
PCB-32	9.22	9.22	46.1
PCB-35	5.27	5.27	26.35
PCB-40/71	9.04	9.04	45.2
PCB-42	5.64	5.64	28.2
PCB-48	5.44	5.44	27.2
PCB-99	13.1	13.1	65.5
PCB-132	5.07	5.07	25.35
PCB-174	3.49	3.49	17.45
PCB-179	2.15	2.15	10.75
PCB-183/185	3.82	3.82	19.1
PCB-202	1.93	1.93	9.65

The following results were qualified U-EBL due to contamination in EB09-08242022

- SIB-SC-C20-8-8.5-08/24/2022: PCB-8, PCB-15

EB10-09052022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-9	5.01	5.01	25.05
PCB-15	6.14	6.14	30.7
PCB-26/29	3.61	3.61	18.05
PCB-49/69	6.97	6.97	34.85
PCB-50/53	4.31	4.31	21.55
PCB-99	3.44	3.44	17.2
PCB-135/151	2.85	2.85	14.25
PCB-147/149	4.09	4.09	20.45
PCB-180/193	2.16	2.16	10.8

The following results were qualified U-EBL due to contamination in EB10-09052022

- SIB-SC-B04-8-9-09/04/2022: PCB-147/149, PCB-180/193

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits with the exception of 13C-77-TeCB and 13C-81-TeCB recovering above control limits in sample SIB-SC-F17-6-7-08/06/2022. Associated detections in this sample should be qualified J while non-detects require no qualification.

Qualification: In sample SIB-SC-F17-6-7-08/06/2022, PCB-40/71, PCB-42, PCB-44/47/65, PCB-45/51, PCB-46, PCB-49/69, PCB-50/53, PCB-52, PCB-56, PCB-61/70/74/76, PCB-66, and PCB-64 are qualified J, reason code LSH.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) –MS/MSD analyses were performed on sample SIB-SC-B04-8-9-09/04/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B04-8-9-09/04/2022	PCB-180/193	9.62	CJK	9.62	UJ	EBL,EMPC
SIB-SC-B04-8-9-09/04/2022	PCB-147/149	11.6	CJ	11.6	U	EBL
SIB-SC-B04-8-9-09/04/2022	PCB-153/168	13.8	CJK	13.8	J	EMPC
SIB-SC-B04-8-9-09/04/2022	PCB-86/87/97/109/119/125	12.2	CJK	12.2	J	EMPC
SIB-SC-B04-8-9-09/04/2022	PCB-90/101/113	10.6	CJK	10.6	J	EMPC
SIB-SC-B04-8-9-09/04/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	12.6	JK	12.6	J	EMPC
SIB-SC-B04-8-9-09/04/2022	PCB-61/70/74/76	10.4	BCJK	10.4	UJ	MBL,EMPC
SIB-SC-B26-11-12-08/23/2022	3,3'-DICHLOROBIPHENYL (11)	61.3	JK	61.3	J	EMPC
SIB-SC-B26-11-12-08/23/2022	PCB-129/138/163	7.61	CJK	7.61	J	EMPC
SIB-SC-B26-11-12-08/23/2022	PCB-86/87/97/109/119/125	11.8	CJK	11.8	J	EMPC
SIB-SC-B26-11-12-08/23/2022	PCB-90/101/113	7.58	CJK	7.58	J	EMPC
SIB-SC-B26-11-12-08/23/2022	PCB-110/115	9.92	CJK	9.92	J	EMPC
SIB-SC-B26-11-12-08/23/2022	PCB-61/70/74/76	11.3	BCJ	11.3	U	MBL
SIB-SC-B26-11-12-08/23/2022	PCB-11	36.5	J	36.5	U	EBH
SIB-SC-C11-12-13-08/20/2022	PCB-61/70/74/76	6.84	BCJK	6.84	UJ	MBL,EMPC
SIB-SC-C14-6-7-08/04/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	23.8	JK	23.8	J	EMPC
SIB-SC-C14-6-7-08/04/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	14.2	JK	14.2	J	EMPC
SIB-SC-C14-6-7-08/04/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	92.9	JK	92.9	J	EMPC
SIB-SC-C14-6-7-08/04/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	61.7	JK	61.7	J	EMPC
SIB-SC-C14-6-7-08/04/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	74	JK	74	J	EMPC
SIB-SC-C14-6-7-08/04/2022	PCB-49/69	76	CJK	76	J	EMPC
SIB-SC-C14-6-7-08/04/2022	PCB-18/30	11.1	CJK	11.1	UJ	EBL,EMPC
SIB-SC-C14-6-7-08/04/2022	PCB-21/33	17	CJK	17	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C14-6-7-08/04/2022	2,4',5-TRICHLOROBIPHENYL (31)	18.6	JK	18.6	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2-CHLOROBIPHENYL (1)	23.1	JK	23.1	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	4,4'-DICHLOROBIPHENYL (15)	80.9	J	80.9	U	EBL
SIB-SC-C20-8-8.5-08/24/2022	4-CHLOROBIPHENYL (3)	16	JK	16	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3'-DICHLOROBIPHENYL (6)	30	JK	30	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,4'-DICHLOROBIPHENYL (8)	90.5	JK	90.5	UJ	EBL,EMPC
SIB-SC-C20-8-8.5-08/24/2022	3,3'-DICHLOROBIPHENYL (11)	53.6	JK	53.6	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	23.7	JK	23.7	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3,3',4,4',5,6'-HEPTACHLOROBIPHENYL (191)	69.2	JK	69.2	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	48.8	JK	48.8	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	24.3	JK	24.3	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	45.3	JK	45.3	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	33.4	JK	33.4	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	51.7	JK	51.7	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	PCB-40/71	445	CK	445	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	47.5	JK	47.5	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	90.9	CJK	90.9	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	35.7	JK	35.7	J	EMPC
SIB-SC-C20-8-8.5-08/24/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	52.5	JK	52.5	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2-CHLOROBIPHENYL (1)	9.9	JK	9.9	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,4'-DICHLOROBIPHENYL (8)	55.9	J	55.9	U	EBL
SIB-SC-D10-7-8-08/03/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	39.1	JK	39.1	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	38.8	JK	38.8	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	125	K	125	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	16.6	JK	16.6	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	15.2	JK	15.2	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	15.9	JK	15.9	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	36.1	JK	36.1	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	45.1	CJK	45.1	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	15.8	JK	15.8	J	EMPC
SIB-SC-D10-7-8-08/03/2022	2,2',3-TRICHLOROBIPHENYL (16)	45.2	J	45.2	U	EBL

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D10-7-8-08/03/2022	2,2',6-TRICHLOROBIPHENYL (19)	17.8	J	17.8	U	EBL
SIB-SC-E10-9-10-08/05/2022	2,4'-DICHLOOROBIPHENYL (8)	24.4	JK	24.4	UJ	EBL,EMPC
SIB-SC-E10-9-10-08/05/2022	2,2',3,3',4,5',6-HEPTACHLOOROBIPHENYL (175)	12	JK	12	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,3,3',4,4',5,6-HEPTACHLOOROBIPHENYL (190)	45.1	JK	45.1	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,2',3,3',4,4',5,6'-OCTACHLOOROBIPHENYL (196)	70.4	JK	70.4	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,2',3,3',4,4',5,6-OCTACHLOOROBIPHENYL (195)	58.5	JK	58.5	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,2',3,3',5-PENTACHLOOROBIPHENYL (83)	45.9	JK	45.9	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,3',5,5'-TETRACHLOOROBIPHENYL (72)	23.1	JK	23.1	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,2',3-TRICHLOROBIPHENYL (16)	13.2	J	13.2	U	EBL
SIB-SC-E10-9-10-08/05/2022	2,2',4-TRICHLOROBIPHENYL (17)	37.5	J	37.5	U	EBL
SIB-SC-E10-9-10-08/05/2022	PCB-18/30	58.2	CJ	58.2	U	EBL
SIB-SC-E10-9-10-08/05/2022	2,3,4'-TRICHLOROBIPHENYL (22)	24.3	JK	24.3	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,3',4-TRICHLOROBIPHENYL (25)	11.7	JK	11.7	J	EMPC
SIB-SC-E10-9-10-08/05/2022	PCB-26/29	21.7	CJK	21.7	J	EMPC
SIB-SC-E10-9-10-08/05/2022	2,4',6-TRICHLOROBIPHENYL (32)	21.1	JK	21.1	UJ	EBL,EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',3,3',4,4',5-HEPTACHLOOROBIPHENYL (170)	5.42	JK	5.42	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',3,3',4,5,6'-HEPTACHLOOROBIPHENYL (174)	5.87	JK	5.87	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',3,3',5,6,6'-HEPTACHLOOROBIPHENYL (179)	2.87	JK	2.87	J	EMPC
SIB-SC-E11-9-10-08/04/2022	PCB-180/193	10.1	CJK	10.1	J	EMPC
SIB-SC-E11-9-10-08/04/2022	PCB-183/185	5.95	CJK	5.95	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',3,4',5,5',6-HEPTACHLOOROBIPHENYL (187)	8.19	JK	8.19	J	EMPC
SIB-SC-E11-9-10-08/04/2022	PCB-147/149	16.4	CJK	16.4	J	EMPC
SIB-SC-E11-9-10-08/04/2022	PCB-198/199	4.58	CJK	4.58	J	EMPC
SIB-SC-E11-9-10-08/04/2022	PCB-86/87/97/109/119/125	7.66	CJK	7.66	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',3,5',6-PENTACHLOOROBIPHENYL (95)	18.5	JK	18.5	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',4,4',5-PENTACHLOOROBIPHENYL (99)	11.7	J	11.7	U	EBL
SIB-SC-E11-9-10-08/04/2022	PCB-61/70/74/76	14.8	BCJ	14.8	U	MBL
SIB-SC-E11-9-10-08/04/2022	PCB-44/47/65	10.9	CJK	10.9	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,2',5,5'-TETRACHLOOROBIPHENYL (52)	14.3	JK	14.3	J	EMPC
SIB-SC-E11-9-10-08/04/2022	2,4',5-TRICHLOROBIPHENYL (31)	4.76	JK	4.76	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E13-11-12-08/03/2022	PCB-180/193	3.23	CJK	3.23	J	EMPC
SIB-SC-E13-11-12-08/03/2022	PCB-129/138/163	5.85	CJK	5.85	J	EMPC
SIB-SC-E13-11-12-08/03/2022	PCB-147/149	4.23	CJK	4.23	J	EMPC
SIB-SC-E13-11-12-08/03/2022	PCB-61/70/74/76	8.54	BCJ	8.54	U	MBL
SIB-SC-E13-11-12-08/03/2022	PCB-44/47/65	8.36	CJK	8.36	J	EMPC
SIB-SC-E13-11-12-08/03/2022	PCB-20/28	6.43	CJK	6.43	J	EMPC
SIB-SC-E13-11-12-08/03/2022	2,4',5-TRICHLOROBIPHENYL (31)	4.97	JK	4.97	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	13.9	JK	13.9	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	PCB-180/193	27.4	CJK	27.4	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	16.7	J	16.7	U	EBL
SIB-SC-E14-12-12.4-08/03/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	15.9	JK	15.9	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	4.71	JK	4.71	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	PCB-156/157	5.14	CJK	5.14	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	3.78	JK	3.78	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	PCB-198/199	7.65	CJK	7.65	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	3.87	JK	3.87	J	EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',4-TRICHLOROBIPHENYL (17)	7.88	JK	7.88	UJ	EBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E14-12-12.4-08/03/2022	PCB-18/30	5.61	CJK	5.61	UJ	EBL,EMPC
SIB-SC-E14-12-12.4-08/03/2022	2,2',6-TRICHLOROBIPHENYL (19)	11.2	J	11.2	U	EBL
SIB-SC-E33-18-19-07/25/2022	3-CHLOROBIPHENYL (2)	11.4	JK	11.4	J	EMPC
SIB-SC-E33-18-19-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	70.9	JK	70.9	J	EMPC
SIB-SC-E33-18-19-07/25/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	13.4	JK	13.4	J	EMPC
SIB-SC-E33-18-19-07/25/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	39.6	JK	39.6	J	EMPC
SIB-SC-E33-18-19-07/25/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	20.7	JK	20.7	J	EMPC
SIB-SC-E33-18-19-07/25/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	21	JK	21	J	EMPC
SIB-SC-E33-18-19-07/25/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	62.7	JK	62.7	J	EMPC
SIB-SC-E33-18-19-07/25/2022	2,3',6-TRICHLOROBIPHENYL (27)	22.3	JK	22.3	J	EMPC
SIB-SC-F11-11-12-08/06/2022	PCB-129/138/163	4.3	CJK	4.3	J	EMPC
SIB-SC-F11-11-12-08/06/2022	PCB-147/149	4.02	CJK	4.02	J	EMPC
SIB-SC-F11-11-12-08/06/2022	PCB-86/87/97/109/119/125	4.6	CJK	4.6	J	EMPC
SIB-SC-F11-11-12-08/06/2022	PCB-61/70/74/76	7.22	BCJ	7.22	U	MBL
SIB-SC-F11-11-12-08/06/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	5.99	JK	5.99	J	EMPC
SIB-SC-F17-6-7-08/06/2022	3,3'-DICHLOROBIPHENYL (11)	34.3	JK	34.3	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	5.39	JK	5.39	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	5.48	JK	5.48	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	8.64	JK	8.64	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F17-6-7-08/06/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	7.06	JK	7.06	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	4.76	JK	4.76	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	3.83	JK	3.83	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	8.24	JK	8.24	J	EMPC
SIB-SC-F17-6-7-08/06/2022	PCB-197/200	3.09	CJK	3.09	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	2.56	JK	2.56	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	4.54	JK	4.54	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	10.5	JK	10.5	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	4.59	JK	4.59	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	5.88	JK	5.88	J	EMPC
SIB-SC-F17-6-7-08/06/2022	PCB-40/71	9.53	CJ	9.53	U	EBL,LSH
SIB-SC-F17-6-7-08/06/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	7.06	J	7.06	J	LSH
SIB-SC-F17-6-7-08/06/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	5.45	JK	5.45	J	LSH,EMPC
SIB-SC-F17-6-7-08/06/2022	PCB-45/51	3.99	CJK	3.99	J	LSH,EMPC
SIB-SC-F17-6-7-08/06/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	64.7	J	64.7	J	LSH
SIB-SC-F17-6-7-08/06/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	10.9	J	10.9	J	LSH
SIB-SC-F17-6-7-08/06/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	31.8	J	31.8	J	LSH
SIB-SC-F17-6-7-08/06/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	10.4	J	10.4	J	LSH
SIB-SC-F17-6-7-08/06/2022	2,2',4-TRICHLOROBIPHENYL (17)	5.99	J	5.99	U	EBL
SIB-SC-F17-6-7-08/06/2022	PCB-18/30	7.88	CJK	7.88	UJ	EBL,EMPC
SIB-SC-F17-6-7-08/06/2022	2,3,4'-TRICHLOROBIPHENYL (22)	3.58	JK	3.58	J	EMPC
SIB-SC-F17-6-7-08/06/2022	PCB-26/29	3.72	CJK	3.72	J	EMPC
SIB-SC-F17-6-7-08/06/2022	2,4',6-TRICHLOROBIPHENYL (32)	4.03	JK	4.03	UJ	EBL,EMPC
SIB-SC-L06-6-7-08/21/2022	3,3'-DICHLOROBIPHENYL (11)	61	JK	61	UJ	EBH,EMPC
SIB-SC-L06-6-7-08/21/2022	PCB-61/70/74/76	62.3	CJ	62.3	J	LSH
SIB-SC-L06-6-7-08/21/2022	PCB-44/47/65	45.3	CJ	45.3	J	LSH
SIB-SC-L06-6-7-08/21/2022	PCB-49/69	31.9	CJ	31.9	J	LSH
SIB-SC-L06-6-7-08/21/2022	PCB-50/53	5.03	CJ	5.03	J	LSH
SIB-SC-L06-6-7-08/21/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	39.2	JK	39.2	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	7.32	JK	7.32	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL (177)	34.4	JK	34.4	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L06-6-7-08/21/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	51	JK	51	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	15.3	JK	15.3	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	7.29	JK	7.29	J	EMPC
SIB-SC-L06-6-7-08/21/2022	PCB-197/200	4.45	CJK	4.45	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	4.18	JK	4.18	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	12	JK	12	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	7.05	JK	7.05	J	EMPC
SIB-SC-L06-6-7-08/21/2022	PCB-40/71	20.3	CJ	20.3	U	EBL
SIB-SC-L06-6-7-08/21/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	10.5	J	10.5	U	EBL
SIB-SC-L06-6-7-08/21/2022	PCB-45/51	4.61	CJK	4.61	J	EMPC
SIB-SC-L06-6-7-08/21/2022	PCB-18/30	11.7	CJK	11.7	UJ	EBL,EMPC
SIB-SC-L06-6-7-08/21/2022	PCB-26/29	4.33	CJK	4.33	J	EMPC
SIB-SC-L06-6-7-08/21/2022	2,4',6-TRICHLOROBIPHENYL (32)	5.02	J	5.02	U	EBL

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21615
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.08.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D26-1-2-07/11/2022	21615001	Sediment
SIB-SC-D26-2-3-07/11/2022	21615002	Sediment
SIB-SC-D26-3-4-07/11/2022	21615003	Sediment
SIB-SC-D26-4-5-07/11/2022	21615004	Sediment
SIB-SC-D26-5-6-07/11/2022	21615005	Sediment
SIB-SC-D25-1-2-07/11/2022	21615006	Sediment
FD-09-07/11/2022	21615007	Sediment
SIB-SC-D25-2-3-07/11/2022	21615008	Sediment
SIB-SC-D25-2-3-07/11/2022-MS	21615009	Sediment
SIB-SC-D25-2-3-07/11/2022-MSD	21615010	Sediment
SIB-SC-D25-3-4-07/11/2022	21615011	Sediment
SIB-SC-D25-4-5-07/11/2022	21615012	Sediment
SIB-SC-D25-5-6-07/11/2022	21615013	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.12 pg/g, leading to a qualification limit of 0.6 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.428 pg/g, leading to a qualification limit of 2.14 pg/g
- 2,3,7,8-TCDF at 0.092 pg/g, leading to a qualification limit of 0.46 pg/g
- 1,2,3,7,8-PeCDF at 0.068 pg/g, leading to a qualification limit of 0.34 pg/g
- 2,3,4,7,8-PeCDF at 0.05 pg/g, leading to a qualification limit of 0.25 pg/g
- 1,2,3,4,7,8-HxCDF at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g

- 1,2,3,6,7,8-HxCDF at 0.072 pg/g, leading to a qualification limit of 0.36 pg/g
- 2,3,4,6,7,8-HxCDF at 0.064 pg/g, leading to a qualification limit of 0.32 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.216 pg/g, leading to a qualification limit of 1.08 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.18 pg/g, leading to a qualification limit of 0.9 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL. All detected results are greater than the associated qualification limit and no qualification is required.

Qualification: None required.

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-D25-2-3-07/11/2022. In the MS, recoveries were low for 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF and extremely low for 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDD. In the MSD, the recoveries were high for 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF, however, the sample concentration of 1,2,3,4,6,7,8,9-OCDD was >4x the spike concentration and the %R results are not applicable. The other results should be qualified J in the parent sample. All RPDs were within control limits with the exception of 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 2,3,7,8-TCDF, 1,2,3,4,6,7,8-HpCDF, and 1,2,3,4,6,7,8,9-OCDF. These results should be qualified J in the parent sample.

***Qualification:* In sample SIB-SC-D25-2-3-07/11/2022, the 1,2,3,6,7,8-HxCDD result is qualified J, reason code MSH,MSP. The 1,2,3,4,6,7,8-HpCDD result is qualified J, reason code MSLX, MSH, MSP. The 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,6,7,8,9-OCDF results are qualified J, reason code MSL,MSH,MSP. The 1,2,3,4,6,7,8,9-OCDD and 2,3,7,8-TCDF results are qualified J, reason code MSP.**

Field Duplicate – Sample FD-09-07/11/2022 was submitted as a field duplicate of sample SIB-SC-D25-1-2-07/11/2022. All precision criteria were met.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative.

In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 8 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Eight OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-1-2-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.32	K	3.32	J	EMPC
SIB-SC-D26-1-2-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.99	--	4.99	DNR	EXC
SIB-SC-D26-1-2-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	7980	E	7980	J	ACR
SIB-SC-D26-2-3-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.09	K	3.09	J	EMPC
SIB-SC-D26-2-3-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.08	--	4.08	DNR	EXC
SIB-SC-D26-2-3-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	7420	E	7420	J	ACR
SIB-SC-D26-3-4-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.73	K	2.73	J	EMPC
SIB-SC-D26-3-4-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.88	--	5.88	DNR	EXC
SIB-SC-D26-3-4-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	5340	E	5340	J	ACR
SIB-SC-D26-4-5-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.94	JK	1.94	J	EMPC
SIB-SC-D26-4-5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.41	--	2.41	DNR	EXC
SIB-SC-D26-4-5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.96	K	1.96	J	EMPC
SIB-SC-D26-4-5-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	5160	E	5160	J	ACR
SIB-SC-D26-5-6-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.34	--	3.34	DNR	EXC
SIB-SC-D26-5-6-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	10300	E	10300	J	ACR
SIB-SC-D25-1-2-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	9.57	--	9.57	DNR	EXC
SIB-SC-D25-1-2-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	10600	E	10600	J	ACR
FD-09-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.01	K	4.01	J	EMPC
FD-09-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	7.97	--	7.97	DNR	EXC
FD-09-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	8530	E	8530	J	ACR
SIB-SC-D25-2-3-07/11/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	53.3	--	53.3	J	MSL,MSH,MSP
SIB-SC-D25-2-3-07/11/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	277	--	277	J	MSLX,MSH,MSP
SIB-SC-D25-2-3-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.76	JK	1.76	J	EMPC
SIB-SC-D25-2-3-07/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	11.2	--	11.2	J	MSH,MSP
SIB-SC-D25-2-3-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.48	JK	1.48	J	EMPC
SIB-SC-D25-2-3-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.52	--	2.52	DNR	EXC
SIB-SC-D25-2-3-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.41	K	3.41	J	MSP,EMPC
SIB-SC-D25-2-3-07/11/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.574	K	0.574	J	EMPC
SIB-SC-D25-2-3-07/11/2022	OCTACHLORODIBENZOFURAN	147	--	147	J	MSL,MSH,MSP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-2-3-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	3810	--	3810	J	MSP
SIB-SC-D25-3-4-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.26	--	3.26	DNR	EXC
SIB-SC-D25-3-4-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.23	K	3.23	J	EMPC
SIB-SC-D25-4-5-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.648	JK	0.648	J	EMPC
SIB-SC-D25-4-5-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.538	JK	0.538	J	EMPC
SIB-SC-D25-5-6-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.57	JK	2.57	J	EMPC
SIB-SC-D25-5-6-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.33	K	5.33	J	EMPC
SIB-SC-D25-5-6-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.72	--	4.72	DNR	EXC
SIB-SC-D25-5-6-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.11	K	4.11	J	EMPC
SIB-SC-D25-5-6-07/11/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	K	2	J	EMPC
SIB-SC-D25-5-6-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	9960	E	9960	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21616
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.08.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-C24-0-1-07/11/2022	21616001	Sediment
SIB-SC-C24-1-2-07/11/2022	21616002	Sediment
SIB-SC-C24-2-3-07/11/2022	21616003	Sediment
SIB-SC-C24-3-4-07/11/2022	21616004	Sediment
SIB-SC-C24-4-5-07/11/2022	21616005	Sediment
SIB-SC-C24-5-6-07/11/2022	21616006	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.12 pg/g, leading to a qualification limit of 0.6 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.428 pg/g, leading to a qualification limit of 2.14 pg/g
- 2,3,7,8-TCDF at 0.092 pg/g, leading to a qualification limit of 0.46 pg/g
- 1,2,3,7,8-PeCDF at 0.068 pg/g, leading to a qualification limit of 0.34 pg/g
- 2,3,4,7,8-PeCDF at 0.05 pg/g, leading to a qualification limit of 0.25 pg/g
- 1,2,3,4,7,8-HxCDF at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g
- 1,2,3,6,7,8-HxCDF at 0.072 pg/g, leading to a qualification limit of 0.36 pg/g
- 2,3,4,6,7,8-HxCDF at 0.064 pg/g, leading to a qualification limit of 0.32 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.216 pg/g, leading to a qualification limit of 1.08 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.18 pg/g, leading to a qualification limit of 0.9 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL. All detected results are greater than the associated qualification limit and no qualification is required.

Qualification: None required.

Rinse Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD was performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 5 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Five OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-0-1-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.62	K	1.62	J	EMPC
SIB-SC-C24-0-1-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.93	--	1.93	DNR	EXC
SIB-SC-C24-1-2-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.49	JK	2.49	J	EMPC
SIB-SC-C24-1-2-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.63	K	2.63	DNR	EXC
SIB-SC-C24-1-2-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	4280	E	4280	J	ACR
SIB-SC-C24-2-3-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.74	K	2.74	J	EMPC
SIB-SC-C24-2-3-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.05	--	4.05	DNR	EXC
SIB-SC-C24-2-3-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	4310	E	4310	J	ACR
SIB-SC-C24-3-4-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.91	K	6.91	J	EMPC
SIB-SC-C24-3-4-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.87	K	4.87	J	EMPC
SIB-SC-C24-3-4-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	7.21	--	7.21	DNR	EXC
SIB-SC-C24-3-4-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	10900	E	10900	J	ACR
SIB-SC-C24-4-5-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.51	K	4.51	J	EMPC
SIB-SC-C24-4-5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.93	K	4.93	J	EMPC
SIB-SC-C24-4-5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.59	--	5.59	DNR	EXC
SIB-SC-C24-4-5-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	13200	E	13200	J	ACR
SIB-SC-C24-5-6-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.39	K	3.39	J	EMPC
SIB-SC-C24-5-6-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.03	--	4.03	DNR	EXC
SIB-SC-C24-5-6-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	7350	E	7350	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21619
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.08.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D26-12-13-07/11/2022	21619001	Sediment
SIB-SC-D26-13-13.5-07/11/2022	21619002	Sediment
SIB-SC-D25-11-12-07/11/2022	21619003	Sediment
SIB-SC-D25-12-13-07/11/2022	21619004	Sediment
SIB-SC-C24-11-12-07/11/2022	21619005	Sediment
SIB-SC-C24-12-13-07/11/2022	21619006	Sediment
SIB-SC-C24-13-13.4-07/11/2022	21619007	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8,9-OCDD at 0.648 pg/g, leading to a qualification limit of 3.24 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.224 pg/g, leading to a qualification limit of 1.12 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: None required.

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG. The rinse blank was free from contamination.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was not performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 4 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Four OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.
- One total heptachloro-p-dioxin result reported with a laboratory qualifier of E has the reportable_result field populated with “No” by the laboratory and is changed to “Yes”. Although total congener results are not validated, this result is reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-12-13-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.49	--	5.49	DNR	EXC
SIB-SC-D26-12-13-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	15700	E	15700	J	ACR
SIB-SC-D26-13-13.5-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.39	K	5.39	J	EMPC
SIB-SC-D26-13-13.5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.42	K	5.42	J	EMPC
SIB-SC-D26-13-13.5-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.44	--	4.44	DNR	EXC
SIB-SC-D26-13-13.5-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	14000	E	14000	J	ACR
SIB-SC-D25-11-12-07/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	4.81	JK	4.81	J	EMPC
SIB-SC-D25-11-12-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	4.75	K	4.75	J	EMPC
SIB-SC-D25-11-12-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.73	--	4.73	DNR	EXC
SIB-SC-D25-11-12-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	11700	E	11700	J	ACR
SIB-SC-D25-12-13-07/11/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.21	--	2.21	DNR	EXC
SIB-SC-D25-12-13-07/11/2022	OCTACHLORODIBENZO-P-DIOXIN	10700	E	10700	J	ACR
SIB-SC-C24-11-12-07/11/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.394	JK	0.394	J	EMPC
SIB-SC-C24-11-12-07/11/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.29	JK	0.29	J	EMPC
SIB-SC-C24-11-12-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.235	JK	0.235	J	EMPC
SIB-SC-C24-12-13-07/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.648	JK	0.648	J	EMPC
SIB-SC-C24-13-13.4-07/11/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.608	JK	0.608	J	EMPC
SIB-SC-C24-13-13.4-07/11/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.299	JK	0.299	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
 PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21620
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.15.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-D26-13-13.5-07/11/2022	21620001	Sediment
SIB-SC-D25-11-12-07/11/2022	21620002	Sediment
SIB-SC-C24-12-13-07/11/2022	21620003	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared 14 days past the required holding time of 1 year. All results should be qualified J/UJ. All samples were analyzed within their required holding times.

***Qualification:* All results in all samples are qualified J/UJ, reason code HTP.**

Method Blanks – The method 1668C method blank associated with this SDG was contaminated with PCB-61/70/74/76 at a level of 6.08 pg/g, leading to a qualification limit of 30.4 pg/g. Associated detections below the qualification threshold should be qualified U.

Qualification: None required.

Equipment Blanks – Rinse blank EB01-07122022 is associated with all samples in this SDG. It was submitted separately from the associated field samples; results for this EB were reported in CFA SDG 20047. While some PCB congeners were detected in this EB, the HGL reviewer confirmed that all PCB congeners detected in the EB were attributable to aqueous sample preparation and that no qualification was required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analyses were performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,3-DICHLOROBIPHENYL (5)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2-CHLOROBIPHENYL (1)	43.5	Jh	43.5	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	4,4'-DICHLOROBIPHENYL (15)	336	h	336	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3-CHLOROBIPHENYL (2)	19.9	Jh	19.9	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	4-CHLOROBIPHENYL (3)	50.9	JKh	50.9	J	HTP,EMPC
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	3530	h	3530	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2'-DICHLOROBIPHENYL (4)	238	JKh	238	J	HTP,EMPC
SIB-SC-D26-13-13.5-07/11/2022	2,3'-DICHLOROBIPHENYL (6)	129	Jh	129	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,4'-DICHLOROBIPHENYL (8)	494	h	494	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,4-DICHLOROBIPHENYL (7)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,5-DICHLOROBIPHENYL (9)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,6-DICHLOROBIPHENYL (10)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3'-DICHLOROBIPHENYL (11)	118	Jh	118	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-12/13	73.7	CJh	73.7	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,5-DICHLOROBIPHENYL (14)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	22800	h	22800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-171/173	7930	Ch	7930	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	3850	h	3850	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	28900	h	28900	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	18100	h	18100	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	1230	h	1230	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	3860	h	3860	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	6540	h	6540	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	14100	h	14100	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-180/193	60300	Ch	60300	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	83	Jh	83	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-183/185	21300	Ch	21300	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	34600	h	34600	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	37.5	Jh	37.5	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	722	h	722	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	4890	h	4890	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	826	h	826	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-128/166	4210	Ch	4210	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	3410	h	3410	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-129/138/163	56300	Ch	56300	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	16000	h	16000	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	430	h	430	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	1360	h	1360	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-135/151	30600	Ch	30600	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	2550	h	2550	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	10600	h	10600	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	668	h	668	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	PCB-139/140	682	Ch	682	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	10100	h	10100	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	12000	h	12000	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	496	Qh	496	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	247	h	247	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-147/149	55200	Ch	55200	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	161	Jh	161	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-153/168	58400	Ch	58400	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	1310	h	1310	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-156/157	3800	Ch	3800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	3300	h	3300	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	120	Jh	120	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	3610	h	3610	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	5250	h	5250	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	708	h	708	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	1330	h	1330	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	16100	h	16100	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	8290	h	8290	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	6560	h	6560	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-197/200	2590	Ch	2590	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-198/199	16800	Ch	16800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	2160	h	2160	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	3230	h	3230	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	9920	h	9920	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	751	h	751	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4,4',5,5'-HEXACHLOROBIPHENYL (167)	1330	h	1330	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	1680	h	1680	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	1460	h	1460	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	4420	h	4420	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-85/116/117	2390	Ch	2390	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-86/87/97/109/119/125	12700	Ch	12700	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-90/101/113	34700	Ch	34700	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	137	Jh	137	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-88/91	4040	Ch	4040	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-98/102	568	Ch	568	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	10100	h	10100	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	70.5	JKh	70.5	J	HTP,EMPC
SIB-SC-D26-13-13.5-07/11/2022	PCB-93/100	279	CJh	279	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	26800	h	26800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	113	Jh	113	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	13100	h	13100	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	1230	h	1230	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	4390	h	4390	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-108/124	575	Ch	575	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	155	Jh	155	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	1800	h	1800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-110/115	25700	Ch	25700	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	45.2	Jh	45.2	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	266	h	266	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	139	Jh	139	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	17500	h	17500	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	267	h	267	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	Total PCB Congeners	825000	Jh	825000	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-61/70/74/76	13900	Ch	13900	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-40/71	2020	Ch	2020	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	1430	h	1430	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	228	h	228	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-44/47/65	6740	Ch	6740	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	199	h	199	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	218	h	218	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-45/51	665	Ch	665	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-49/69	5680	Ch	5680	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	886	h	886	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-50/53	555	Ch	555	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	13300	h	13300	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	2750	h	2750	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	130	Jh	130	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	103	Jh	103	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	56.3	Jh	56.3	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	451	CJh	451	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	397	h	397	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	6800	h	6800	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	318	h	318	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	180	Jh	180	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	147	Jh	147	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	2260	h	2260	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	395	h	395	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	77.6	Jh	77.6	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	379	h	379	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	163	Jh	163	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',3-TRICHLOROBIPHENYL (16)	688	h	688	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',4-TRICHLOROBIPHENYL (17)	1120	h	1120	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-18/30	1880	Ch	1880	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,2',6-TRICHLOROBIPHENYL (19)	174	Jh	174	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-20/28	3640	Ch	3640	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,4'-TRICHLOROBIPHENYL (22)	880	h	880	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-21/33	1180	Ch	1180	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',4-TRICHLOROBIPHENYL (25)	235	h	235	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,5-TRICHLOROBIPHENYL (23)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2',3,5-TRICHLOROBIPHENYL (34)	52.3	Jh	52.3	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	PCB-26/29	454	Ch	454	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3,6-TRICHLOROBIPHENYL (24)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,3',6-TRICHLOROBIPHENYL (27)	153	Jh	153	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	2,4',5-TRICHLOROBIPHENYL (31)	2620	h	2620	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D26-13-13.5-07/11/2022	2,4',6-TRICHLOROBIPHENYL (32)	452	h	452	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,3',4-TRICHLOROBIPHENYL (35)	47.4	JKh	47.4	J	HTP,EMPC
SIB-SC-D26-13-13.5-07/11/2022	3,3',5-TRICHLOROBIPHENYL (36)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,4,4'-TRICHLOROBIPHENYL (37)	718	h	718	J	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,4,5-TRICHLOROBIPHENYL (38)	--	Uh	--	UJ	HTP
SIB-SC-D26-13-13.5-07/11/2022	3,4',5-TRICHLOROBIPHENYL (39)	48.2	JKh	48.2	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,3-DICHLOROBIPHENYL (5)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2-CHLOROBIPHENYL (1)	37.1	Jh	37.1	J	HTP
SIB-SC-D25-11-12-07/11/2022	4,4'-DICHLOROBIPHENYL (15)	233	h	233	J	HTP
SIB-SC-D25-11-12-07/11/2022	3-CHLOROBIPHENYL (2)	15.4	Jh	15.4	J	HTP
SIB-SC-D25-11-12-07/11/2022	4-CHLOROBIPHENYL (3)	45.6	JKh	45.6	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,5',6,6'- DECACHLOROBIPHENYL (209)	2170	h	2170	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2'-DICHLOROBIPHENYL (4)	130	JKh	130	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,3'-DICHLOROBIPHENYL (6)	104	JKh	104	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,4'-DICHLOROBIPHENYL (8)	356	Kh	356	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,4-DICHLOROBIPHENYL (7)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,5-DICHLOROBIPHENYL (9)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,6-DICHLOROBIPHENYL (10)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,3'-DICHLOROBIPHENYL (11)	76.2	JKh	76.2	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	PCB-12/13	66.2	CJh	66.2	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,5-DICHLOROBIPHENYL (14)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	16500	h	16500	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-171/173	5480	Ch	5480	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	2850	h	2850	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	19900	h	19900	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL (177)	12400	h	12400	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	871	h	871	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	2710	h	2710	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	4620	h	4620	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	9540	h	9540	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-180/193	42900	Ch	42900	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	63.3	JKh	63.3	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	PCB-183/185	14400	Ch	14400	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	25100	h	25100	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	523	h	523	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	3570	h	3570	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	602	h	602	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-128/166	2780	Ch	2780	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	2320	h	2320	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-129/138/163	40800	Ch	40800	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	11200	h	11200	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	303	h	303	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	926	h	926	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-135/151	20900	Ch	20900	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	1800	h	1800	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	7220	h	7220	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	802	h	802	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-139/140	476	Ch	476	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	7470	h	7470	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	8550	h	8550	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	522	Qh	522	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	172	Jh	172	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-147/149	38500	Ch	38500	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	119	Jh	119	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-153/168	43200	Ch	43200	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	978	h	978	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-156/157	2550	Ch	2550	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	2320	h	2320	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	63	Jh	63	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	2440	h	2440	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	3220	h	3220	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	428	h	428	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	821	h	821	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	10100	h	10100	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	5510	h	5510	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	4090	h	4090	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-197/200	1710	Ch	1710	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-198/199	11400	Ch	11400	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	1370	h	1370	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	2040	h	2040	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	6590	h	6590	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	501	h	501	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	897	h	897	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	936	h	936	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	861	h	861	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	2640	h	2640	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-85/116/117	1430	Ch	1430	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-86/87/97/109/119/125	7510	Ch	7510	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-90/101/113	23800	Ch	23800	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	79.7	Jh	79.7	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-88/91	2690	Ch	2690	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-98/102	368	CJh	368	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	6900	h	6900	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	47	Jh	47	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-93/100	206	CJh	206	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	17800	h	17800	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	80.2	JKh	80.2	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	9550	h	9550	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	900	h	900	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	2210	h	2210	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-108/124	327	CJh	327	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	135	Jh	135	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	1280	h	1280	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-110/115	16900	Ch	16900	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	35.1	JKh	35.1	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	124	JKh	124	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	81.8	Jh	81.8	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	11100	h	11100	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	202	h	202	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	Total PCB Congeners	570000	Jh	570000	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-61/70/74/76	9110	Ch	9110	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-40/71	1420	Ch	1420	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	1140	h	1140	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	273	h	273	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-44/47/65	4450	Ch	4450	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	185	Jh	185	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	153	Jh	153	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-45/51	474	Ch	474	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	PCB-49/69	4270	Ch	4270	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	638	h	638	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-50/53	369	CJh	369	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	8310	h	8310	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	1880	h	1880	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	95.3	Jh	95.3	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	80.8	Jh	80.8	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	50.4	Jh	50.4	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	370	CJh	370	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	238	h	238	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	5330	h	5330	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	214	h	214	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	144	Jh	144	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	95.5	Jh	95.5	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	1610	h	1610	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	315	h	315	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	48.7	Jh	48.7	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	298	h	298	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	129	Jh	129	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',3-TRICHLOROBIPHENYL (16)	417	h	417	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',4-TRICHLOROBIPHENYL (17)	812	h	812	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-18/30	1310	Ch	1310	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,2',6-TRICHLOROBIPHENYL (19)	134	Jh	134	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-20/28	2620	Ch	2620	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,4'-TRICHLOROBIPHENYL (22)	598	h	598	J	HTP
SIB-SC-D25-11-12-07/11/2022	PCB-21/33	877	Ch	877	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',4-TRICHLOROBIPHENYL (25)	156	Jh	156	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D25-11-12-07/11/2022	2,3,5-TRICHLOROBIPHENYL (23)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2',3,5-TRICHLOROBIPHENYL (34)	41.3	JKh	41.3	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	PCB-26/29	305	CJh	305	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,3,6-TRICHLOROBIPHENYL (24)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	2,3',6-TRICHLOROBIPHENYL (27)	116	Jh	116	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,4',5-TRICHLOROBIPHENYL (31)	1750	h	1750	J	HTP
SIB-SC-D25-11-12-07/11/2022	2,4',6-TRICHLOROBIPHENYL (32)	359	h	359	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,3',4-TRICHLOROBIPHENYL (35)	43.7	JKh	43.7	J	HTP,EMPC
SIB-SC-D25-11-12-07/11/2022	3,3',5-TRICHLOROBIPHENYL (36)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,4,4'-TRICHLOROBIPHENYL (37)	503	h	503	J	HTP
SIB-SC-D25-11-12-07/11/2022	3,4,5-TRICHLOROBIPHENYL (38)	--	Uh	--	UJ	HTP
SIB-SC-D25-11-12-07/11/2022	3,4',5-TRICHLOROBIPHENYL (39)	46.7	Jh	46.7	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3-DICHLOROBIPHENYL (5)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2-CHLOROBIPHENYL (1)	6.63	JKh	6.63	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	4,4'-DICHLOROBIPHENYL (15)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3-CHLOROBIPHENYL (2)	6.37	JKh	6.37	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	4-CHLOROBIPHENYL (3)	7.62	JKh	7.62	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,5',6,6'- DECACHLOROBIPHENYL (209)	199	h	199	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2'-DICHLOROBIPHENYL (4)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3'-DICHLOROBIPHENYL (6)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,4'-DICHLOROBIPHENYL (8)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,4-DICHLOROBIPHENYL (7)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,5-DICHLOROBIPHENYL (9)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,6-DICHLOROBIPHENYL (10)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3'-DICHLOROBIPHENYL (11)	58.9	Jh	58.9	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-12/13	--	CUh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,5-DICHLOROBIPHENYL (14)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	665	h	665	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-171/173	224	CJh	224	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	116	Jh	116	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	744	h	744	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	492	h	492	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	34	Jh	34	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	110	Jh	110	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	254	h	254	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	432	h	432	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-180/193	1580	Ch	1580	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-183/185	533	Ch	533	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	1160	h	1160	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	15.8	Jh	15.8	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	24.9	Jh	24.9	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	131	h	131	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	23.1	Jh	23.1	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-128/166	98.2	CJh	98.2	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	115	Jh	115	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-129/138/163	2000	Ch	2000	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	562	h	562	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (131)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	183	h	183	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-135/151	1300	Ch	1300	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5,6'-HEXACHLOROBIPHENYL (134)	92.6	Jh	92.6	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	458	h	458	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',5'-HEXACHLOROBIPHENYL (137)	11.9	Jh	11.9	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-139/140	45	CJh	45	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	317	h	317	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	956	h	956	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (142)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,5',6'-HEXACHLOROBIPHENYL (144)	64.4	JQh	64.4	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	77.1	Jh	77.1	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-147/149	2370	Ch	2370	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	48.5	Jh	48.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-153/168	2450	Ch	2450	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	224	h	224	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	5.28	Jh	5.28	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-156/157	87.2	CJh	87.2	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4',6'-HEXACHLOROBIPHENYL (158)	93.2	Jh	93.2	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,5,6'-HEXACHLOROBIPHENYL (160)	--	Uh	--	UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	141	h	141	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)	8.07	JKh	8.07	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	146	h	146	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	18.6	Jh	18.6	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	39.4	Jh	39.4	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	357	h	357	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	205	h	205	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	152	h	152	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-197/200	60.1	CJh	60.1	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-198/199	385	Ch	385	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	49.5	Jh	49.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	82.3	Jh	82.3	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	239	h	239	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	16.8	Jh	16.8	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	36.4	JKh	36.4	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	24.8	Jh	24.8	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	34.3	Jh	34.3	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	82.6	Jh	82.6	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-85/116/117	32.7	CJKh	32.7	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	PCB-86/87/97/109/119/125	303	CJh	303	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	PCB-90/101/113	1450	Ch	1450	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-88/91	211	CJh	211	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-98/102	22.5	CJh	22.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	521	h	521	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-93/100	77	CJh	77	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	1080	h	1080	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	4.75	Jh	4.75	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	755	h	755	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	104	Jh	104	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	45.2	Jh	45.2	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-108/124	--	CUh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	73.5	Jh	73.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-110/115	687	Ch	687	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	17.5	Jh	17.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	301	h	301	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	40.3	Jh	40.3	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	10.5	Jh	10.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	Total PCB Congeners	28000	Jh	28000	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-61/70/74/76	208	CJh	208	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-40/71	43.1	CJh	43.1	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	21.3	Jh	21.3	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-44/47/65	252	CJh	252	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-45/51	9.42	CJh	9.42	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-49/69	320	Ch	320	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-50/53	10.6	CJh	10.6	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	379	h	379	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	35.6	Jh	35.6	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	--	CUh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	8.66	JKh	8.66	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	110	Jh	110	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	116	Jh	116	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	27.4	Jh	27.4	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	84.5	Jh	84.5	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)	21.8	Jh	21.8	J	HTP
SIB-SC-C24-12-13-07/11/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',3-TRICHLOROBIPHENYL (16)	4.98	Jh	4.98	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,2',4-TRICHLOROBIPHENYL (17)	11.4	JKh	11.4	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	PCB-18/30	20.9	CJh	20.9	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C24-12-13-07/11/2022	2,2',6-TRICHLOROBIPHENYL (19)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-20/28	41.7	CJh	41.7	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,4'-TRICHLOROBIPHENYL (22)	12.1	Jh	12.1	J	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-21/33	22	CJh	22	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',4-TRICHLOROBIPHENYL (25)	13.8	Jh	13.8	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,3,5-TRICHLOROBIPHENYL (23)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2',3,5-TRICHLOROBIPHENYL (34)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	PCB-26/29	23	CJKh	23	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	2,3,6-TRICHLOROBIPHENYL (24)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,3',6-TRICHLOROBIPHENYL (27)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	2,4',5-TRICHLOROBIPHENYL (31)	33.4	Jh	33.4	J	HTP
SIB-SC-C24-12-13-07/11/2022	2,4',6-TRICHLOROBIPHENYL (32)	8.73	JKh	8.73	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	3,3',4-TRICHLOROBIPHENYL (35)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,3',5-TRICHLOROBIPHENYL (36)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,4,4'-TRICHLOROBIPHENYL (37)	9.01	JKh	9.01	J	HTP,EMPC
SIB-SC-C24-12-13-07/11/2022	3,4,5-TRICHLOROBIPHENYL (38)	--	Uh	--	UJ	HTP
SIB-SC-C24-12-13-07/11/2022	3,4',5-TRICHLOROBIPHENYL (39)	--	Uh	--	UJ	HTP

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21629
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.08.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-B25-0-1-07/25/2022	21629001	Sediment
SIB-SC-B32-0-1-07/25/2022	21629002	Sediment
SIB-SC-B33-0-1-08/21/2022	21629003	Sediment
SIB-SC-C05-0-1-07/24/2022	21629004	Sediment
SIB-SC-C06-0-1-08/17/2022	21629005	Sediment
SIB-SC-C07-0-1-08/18/2022	21629006	Sediment
SIB-SC-C22-0-1-08/10/2022	21629007	Sediment
SIB-SC-C23-0-1-07/06/2022	21629008	Sediment
SIB-SC-D05-0-1-08/09/2022	21629009	Sediment
SIB-SC-D06-0-1-08/16/2022	21629010	Sediment
SIB-SC-D33-13-14-07/07/2022	21629011	Sediment
SIB-SC-D33-14-14.4-07/07/2022	21629012	Sediment
SIB-SC-D35-0-1-08/04/2022	21629013	Sediment
SIB-SC-D37-0-1-08/25/2022	21629014	Sediment
SIB-SC-E04-0-1-08/08/2022	21629015	Sediment
SIB-SC-E06-0-1-08/08/2022	21629016	Sediment
SIB-SC-E08-0-1-08/05/2022	21629017	Sediment
SIB-SC-E36-0-1-07/08/2022	21629018	Sediment
SIB-SC-F20-0-1-07/21/2022	21629019	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.212 pg/g, leading to a qualification limit of 1.06 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.636 pg/g, leading to a qualification limit of 3.18 pg/g
- 2,3,7,8-TCDF at 0.122 pg/g, leading to a qualification limit of 0.61 pg/g
- 1,2,3,7,8-PeCDF at 0.116 pg/g, leading to a qualification limit of 0.58 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.138 pg/g, leading to a qualification limit of 0.69 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 2,3,7,8-TCDF results in samples SIB-SC-B25-0-1-07/25/2022, SIB-SC-B32-0-1-07/25/2022, SIB-SC-B33-0-1-08/21/2022, SIB-SC-C06-0-1-08/17/2022, and SIB-SC-C07-0-1-08/18/2022
- The 1,2,3,7,8-PeCDF results in samples SIB-SC-B32-0-1-07/25/2022, SIB-SC-B33-0-1-08/21/2022, and SIB-SC-D37-0-1-08/25/2022
- The 1,2,3,4,6,7,8-HpCDF result in sample SIB-SC-B25-0-1-07/25/2022

Rinsate Blanks – Rinse blank EB01-07/12/2022 (results reported in SDG 20046) is associated with all samples with results reported in this SDG that were sampled on 07/06/2022, 07/07/2022, and 07/08/2022. The rinse blank was free from contamination.

Rinse blank EB04-07/21/2022 (results reported in SDG 20074) is associated with all samples with results reported in this SDG that were sampled on 07/21/2022. The rinse blank was free from contamination.

Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG that were sampled on 07/24/2022 and 07/25/2022. The rinse blank was free from contamination.

Rinse blank EB06-08/04/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/04/2022 and 08/05/2022. The rinse blank was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. The detected results reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/08/2022, 08/09/2022, and 08/10/2022. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395 pg/g
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG that were sampled on 08/16/2022, 08/17/2022, 08/18/2022, and 08/21/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/25/2022. The rinsate blank was contaminated with almost

all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDF results in sample SIB-SC-D37-0-1-08/25/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-B25-0-1-07/25/2022. All %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 9 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Nine OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.355	BJ	0.355	U	MBL
SIB-SC-B25-0-1-07/25/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.69	BJK	1.69	J	EMPC
SIB-SC-B25-0-1-07/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.176	JK	0.176	J	EMPC
SIB-SC-B25-0-1-07/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.301	JK	0.301	J	EMPC
SIB-SC-B25-0-1-07/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.244	JK	0.244	J	EMPC
SIB-SC-B25-0-1-07/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.401	BJK	0.401	UJ	MBL,EMPC
SIB-SC-B32-0-1-07/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.128	JK	0.128	J	EMPC
SIB-SC-B32-0-1-07/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.164	JK	0.164	J	EMPC
SIB-SC-B32-0-1-07/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.112	BJ	0.112	U	MBL
SIB-SC-B32-0-1-07/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.118	JK	0.118	J	EMPC
SIB-SC-B32-0-1-07/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.134	JK	0.134	J	EMPC
SIB-SC-B32-0-1-07/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.345	BJK	0.345	UJ	MBL,EMPC
SIB-SC-B33-0-1-08/21/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.77	JK	3.77	J	EMPC
SIB-SC-B33-0-1-08/21/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.102	JK	0.102	J	EMPC
SIB-SC-B33-0-1-08/21/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.188	JK	0.188	J	EMPC
SIB-SC-B33-0-1-08/21/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.092	BJ	0.092	U	MBL
SIB-SC-B33-0-1-08/21/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.072	JK	0.072	J	EMPC
SIB-SC-B33-0-1-08/21/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.27	BJ	0.27	U	MBL
SIB-SC-C05-0-1-07/24/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.41	--	2.41	DNR	EXC
SIB-SC-C05-0-1-07/24/2022	OCTACHLORODIBENZO-P-DIOXIN	11800	E	11800	J	ACR
SIB-SC-C06-0-1-08/17/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.158	JK	0.158	J	EMPC
SIB-SC-C06-0-1-08/17/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.259	JK	0.259	J	EMPC
SIB-SC-C06-0-1-08/17/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.14	JK	0.14	J	EMPC
SIB-SC-C06-0-1-08/17/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.233	BJK	0.233	UJ	MBL,EMPC
SIB-SC-C07-0-1-08/18/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.136	JK	0.136	J	EMPC
SIB-SC-C07-0-1-08/18/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.404	BJ	0.404	U	MBL
SIB-SC-C22-0-1-08/10/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	2.04	JK	2.04	J	EMPC
SIB-SC-C22-0-1-08/10/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.71	K	1.71	DNR	EXC
SIB-SC-C22-0-1-08/10/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.303	JK	0.303	J	EMPC
SIB-SC-C23-0-1-07/06/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.12	JK	2.12	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.16	--	2.16	DNR	EXC
SIB-SC-C23-0-1-07/06/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.08	K	2.08	J	EMPC
SIB-SC-C23-0-1-07/06/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.404	JK	0.404	J	EMPC
SIB-SC-C23-0-1-07/06/2022	OCTACHLORODIBENZO-P-DIOXIN	4350	E	4350	J	ACR
SIB-SC-D05-0-1-08/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.73	JK	2.73	J	EMPC
SIB-SC-D05-0-1-08/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.55	JK	1.55	J	EMPC
SIB-SC-D05-0-1-08/09/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.94	JK	1.94	J	EMPC
SIB-SC-D05-0-1-08/09/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.97	--	2.97	DNR	EXC
SIB-SC-D05-0-1-08/09/2022	OCTACHLORODIBENZO-P-DIOXIN	5870	E	5870	J	ACR
SIB-SC-D06-0-1-08/16/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.831	JK	0.831	J	EMPC
SIB-SC-D06-0-1-08/16/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.09	BK	1.09	DNR	EXC
SIB-SC-D33-13-14-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.5	--	2.5	DNR	EXC
SIB-SC-D33-13-14-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	6290	E	6290	J	ACR
SIB-SC-D33-14-14.4-07/07/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.57	K	2.57	DNR	EXC
SIB-SC-D33-14-14.4-07/07/2022	OCTACHLORODIBENZO-P-DIOXIN	9390	E	9390	J	ACR
SIB-SC-D35-0-1-08/04/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.69	JK	1.69	J	EMPC
SIB-SC-D35-0-1-08/04/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	4.97	--	4.97	DNR	EXC
SIB-SC-D35-0-1-08/04/2022	OCTACHLORODIBENZO-P-DIOXIN	5720	E	5720	J	ACR
SIB-SC-D37-0-1-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.03	J	1.03	U	EBL
SIB-SC-D37-0-1-08/25/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.577	J	0.577	U	EBL
SIB-SC-D37-0-1-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.441	J	0.441	U	EBL
SIB-SC-D37-0-1-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.469	BJ	0.469	U	MBL,EBL
SIB-SC-D37-0-1-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.469	J	0.469	U	EBL
SIB-SC-D37-0-1-08/25/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.905	JK	0.905	J	EMPC
SIB-SC-D37-0-1-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.82	J	0.82	U	EBL
SIB-SC-E04-0-1-08/08/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.5	K	8.5	J	EMPC
SIB-SC-E04-0-1-08/08/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.7	JK	4.7	J	EMPC
SIB-SC-E04-0-1-08/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.8	K	2.8	J	EMPC
SIB-SC-E04-0-1-08/08/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.35	K	5.35	J	EMPC
SIB-SC-E04-0-1-08/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.62	--	5.62	DNR	EXC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-E04-0-1-08/08/2022	OCTACHLORODIBENZO-P-DIOXIN	7220	E	7220	J	ACR
SIB-SC-E06-0-1-08/08/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.943	JK	0.943	J	EMPC
SIB-SC-E06-0-1-08/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.55	--	1.55	DNR	EXC
SIB-SC-E08-0-1-08/05/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.58	JK	4.58	J	EMPC
SIB-SC-E08-0-1-08/05/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.39	JK	1.39	J	EMPC
SIB-SC-E08-0-1-08/05/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.39	JK	3.39	J	EMPC
SIB-SC-E08-0-1-08/05/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.47	--	1.47	DNR	EXC
SIB-SC-E36-0-1-07/08/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	5.2	--	5.2	DNR	EXC
SIB-SC-E36-0-1-07/08/2022	OCTACHLORODIBENZO-P-DIOXIN	4900	E	4900	J	ACR
SIB-SC-F20-0-1-07/21/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.07	JK	2.07	J	EMPC
SIB-SC-F20-0-1-07/21/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.57	JK	1.57	J	EMPC
SIB-SC-F20-0-1-07/21/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.94	--	1.94	DNR	EXC
SIB-SC-F20-0-1-07/21/2022	OCTACHLORODIBENZO-P-DIOXIN	6840	E	6840	J	ACR

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21630
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.11.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-H06-0-1-07/26/2022	21630001	Sediment
SIB-SC-H08-01-07/26/2022	21630002	Sediment
SIB-SC-I04-6-7-08/09/2022	21630003	Sediment
SIB-SC-I04-7-8-08/09/2022	21630004	Sediment
SIB-SC-I04-8-8-7-08/09/2022	21630005	Sediment
SIB-SC-I06-0-1-07/26/2022	21630006	Sediment
SIB-SC-I08-0-1-07/28/2022	21630007	Sediment
SIB-SC-J06-10-11-07/26/2022	21630008	Sediment
SIB-SC-J06-11-11.5-07/26/2022	21630009	Sediment
SIB-SC-J08-0-1-09/01/2022	21630010	Sediment
SIB-SC-K01-0-1-08/20/2022	21630011	Sediment
SIB-SC-K03-7-8-07/27/2022	21630012	Sediment
SIB-SC-K03-8-9-07/27/2022	21630013	Sediment
SIB-SC-K04-0-1-07/27/2022	21630014	Sediment
SIB-SC-L03-8-9-07/27/2022	21630015	Sediment
SIB-SC-L03-9-9.6-07/27/2022	21630016	Sediment
SIB-SC-L04-0-1-07/27/2022	21630017	Sediment
SIB-SC-L04-9-10-07/27/2022	21630018	Sediment
SIB-SC-L04-10-11-07/27/2022	21630019	Sediment
SIB-SC-N00-0-1-08/25/2022	21630020	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,7,8-HxCDD at 0.248 pg/g, leading to a qualification limit of 1.24 pg/g
- 1,2,3,6,7,8-HxCDD at 0.196 pg/g, leading to a qualification limit of 0.98 pg/g
- 1,2,3,7,8,9-HxCDD at 0.22 pg/g, leading to a qualification limit of 1.1 pg/g
- 1,2,3,4,6,7,8-HpCDD at 0.506 pg/g, leading to a qualification limit of 2.53 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 1.28 pg/g, leading to a qualification limit of 6.4 pg/g
- 2,3,4,7,8-PeCDF at 0.328 pg/g, leading to a qualification limit of 1.64 pg/g
- 1,2,3,4,7,8-HxCDF at 0.376 pg/g, leading to a qualification limit of 1.88 pg/g
- 1,2,3,6,7,8-HxCDF at 0.256 pg/g, leading to a qualification limit of 1.28 pg/g
- 2,3,4,6,7,8-HxCDF at 0.264 pg/g, leading to a qualification limit of 1.32 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.502 pg/g, leading to a qualification limit of 2.51 pg/g
- 1,2,3,4,7,8,9-HpCDF at 0.322 pg/g, leading to a qualification limit of 1.61 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.806 pg/g, leading to a qualification limit of 4.03 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,7,8-HxCDD results in samples SIB-SC-H08-0-1-07/26/2022, SIB-SC-K04-0-1-07/27/2022, SIB-SC-L03-9-9.6-07/27/2022, SIB-SC-L04-9-10-07/27/2022, and SIB-SC-L04-10-11-07/27/2022
- The 1,2,3,6,7,8-HxCDD result in sample SIB-SC-I04-8-8.7-08/09/2022
- The 1,2,3,7,8,9-HxCDD results in samples SIB-SC-I04-7-8-08/09/2022, SIB-SC-I04-8-8.7-08/09/2022, SIB-SC-K03-8-9-07/27/2022, and SIB-SC-L04-0-1-07/27/2022
- The 1,2,3,4,6,7,8-HpCDD results in samples SIB-SC-I04-7-8-08/09/2022, SIB-SC-I04-8-8.7-08/09/2022, SIB-SC-K03-7-8-07/27/2022, and SIB-SC-K03-8-9-07/27/2022
- The 2,3,4,7,8-PeCDF results in samples SIB-SC-H08-0-1-07/26/2022, SIB-SC-L03-9-9.6-07/27/2022, SIB-SC-L04-9-10-07/27/2022, and SIB-SC-N00-0-1-08/25/2022
- The 1,2,3,4,7,8-HxCDF results in samples SIB-SC-I04-8-8.7-08/09/2022, SIB-SC-K03-7-8-07/27/2022, SIB-SC-K03-8-9-07/27/2022, SIB-SC-L03-9-9.6-07/27/2022, SIB-SC-L04-9-10-07/27/2022, and SIB-SC-L04-10-11-07/27/2022
- The 1,2,3,6,7,8-HxCDF results in samples SIB-SC-L04-9-10-07/27/2022, SIB-SC-L04-10-11-07/27/2022, and SIB-SC-N00-0-1-08/25/2022
- The 2,3,4,6,7,8-HxCDF results in samples SIB-SC-L03-9-9.6-07/27/2022, SIB-SC-L04-9-10-07/27/2022, and SIB-SC-L04-10-11-07/27/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-I04-6-7-08/09/2022, SIB-SC-I04-7-8-08/09/2022, SIB-SC-I04-8-8.7-08/09/2022, SIB-SC-K03-7-8-07/27/2022, and SIB-SC-K03-8-9-07/27/2022
- The 1,2,3,4,7,8,9-HpCDF results in samples SIB-SC-L03-9-9.6-07/27/2022 and SIB-SC-L04-9-10-07/27/2022
- The 1,2,3,4,6,7,8,9-OCDF results in samples SIB-SC-I04-8-8.7-08/09/2022, SIB-SC-K03-7-8-07/27/2022, and SIB-SC-K03-8-9-07/27/2022

Rinsate Blanks – Rinse blank EB05-07/26/2022 (results reported in SDG 20123) is associated with all samples with results reported in this SDG that were sampled on 07/26/2022, 07/27/2022, and 07/28/2022. The rinse blank was free from contamination.

Rinse blank EB07-08/09/2022 (results reported in SDG 20187) is associated with all samples with results reported in this SDG that were sampled on 08/09/2022. The rinse blank was contaminated with the following analytes:

- 1,2,3,4,6,7,8-HpCDD at 1.53 pg/L, leading to a qualification limit of 0.765 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.79 pg/L, leading to a qualification limit of 1.395 pg/g
- 1,2,3,4,7,8-HxCDF at 0.902 pg/L, leading to a qualification limit of 0.451 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.85 pg/L, leading to a qualification limit of 0.925 pg/g

Rinse blank EB08-08/21/2022 (results reported in SDG 20283) is associated with all samples in this SDG that were sampled on 08/20/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 4.36 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB08-08/21/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Rinse blank EB09-08/24/2022 (results reported in SDG 20283) is associated with all samples with results reported in this SDG that were sampled on 08/25/2022. The rinsate blank was contaminated with almost all target analytes, including:

- 1,2,3,7,8-PeCDD at 2.36 pg/L, leading to a qualification limit of 1.18 pg/g
- 1,2,3,4,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,6,7,8-HxCDD at 1.58 pg/L, leading to a qualification limit of 0.790 pg/g
- 1,2,3,7,8,9-HxCDD at 1.84 pg/L, leading to a qualification limit of 0.920 pg/g
- 1,2,3,4,6,7,8-HpCDD at 1.39 pg/L, leading to a qualification limit of 0.695 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 2.49 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,7,8-PeCDF at 2.78 pg/L, leading to a qualification limit of 1.39 pg/g
- 2,3,4,7,8-PeCDF at 2.34 pg/L, leading to a qualification limit of 1.17 pg/g
- 1,2,3,4,7,8-HxCDF at 2.32 pg/L, leading to a qualification limit of 1.16 pg/g
- 1,2,3,6,7,8-HxCDF at 1.97 pg/L, leading to a qualification limit of 0.985 pg/g
- 2,3,4,6,7,8-HxCDF at 1.15 pg/L, leading to a qualification limit of 0.575 pg/g
- 1,2,3,7,8,9-HxCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g
- 1,2,3,4,6,7,8-HpCDF at 1.21 pg/L; this result is comparable to the associated aqueous method blank result and not indicative of potential cross-contamination
- 1,2,3,4,7,8,9-HpCDF at 1.37 pg/L, leading to a qualification limit of 0.685 pg/g

Rinse blank EB10-09/05/2022 (results reported in SDG 20342) is associated with all samples in this SDG with a sample date of 09/01/2022. The rinse blank was contaminated with 1,2,3,4,6,7,8,9-OCDD at 2.18 pg/L; however, the OCDD result was not substantially different from that reported in the method blank associated with this EB. The detected result reported for EB10-09/05/2022 represents contamination associated with aqueous sample preparation and is not related to cross-contamination in the field. No additional qualification is required.

Detections in associated samples less than or equal to the qualification limits should be qualified U-EBL.

Qualification: The following results were qualified U-EBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,4,7,8-HxCDF result in sample SIB-SC-I04-8-8.7-08/09/2022
- The 1,2,3,4,6,7,8-HpCDF results in samples SIB-SC-I04-7-8-08/09/2022 and SIB-SC-I04-8-8.7-08/09/2022
- The 1,2,3,7,8-PeCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF results in sample SIB-SC-N00-0-1-08/25/2022

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-SC-H06-0-1-07/26/2022. All %Rs were within QAPP control limits in the MS/MSD with the exception of 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8,9-OCDF. For 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8,9-OCDF, the sample concentration was >4x the spike concentration and the %R results are not applicable. The result for 1,2,3,7,8,9-HxCDD in the parent sample should be qualified J. All RPDs were within QAPP control limits.

***Qualification:* The 1,2,3,7,8,9-HxCDD result in sample SIB-SC-H06-0-1-07/26/2022 is qualified J, reason code MSL.**

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory’s practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 9 affected samples are qualified J-ACR.

***Qualification:* The following results are qualified:**

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with “Yes” by the laboratory and are changed to “No” for the affected results.
- Nine OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with “No” by the laboratory and are changed to “Yes” for the affected results.
- Four total heptachloro-p-dioxin results reported with a laboratory qualifier of E have the reportable_result field populated with “No” by the laboratory and are changed to “Yes”. Although total congener results are not validated, these results are reportable.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-H06-0-1-07/26/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	18.3	JK	18.3	J	EMPC
SIB-SC-H06-0-1-07/26/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	51.9	--	51.9	J	MSL
SIB-SC-H06-0-1-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	14.6	K	14.6	J	EMPC
SIB-SC-H06-0-1-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	16.2	--	16.2	DNR	EXC
SIB-SC-H06-0-1-07/26/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.81	K	3.81	J	EMPC
SIB-SC-H06-0-1-07/26/2022	OCTACHLORODIBENZO-P-DIOXIN	39200	E	39200	J	ACR
SIB-SC-H08-0-1-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.12	BJK	1.12	UJ	MBL,EMPC
SIB-SC-H08-0-1-07/26/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.952	BJ	0.952	U	MBL
SIB-SC-H08-0-1-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.01	--	2.01	DNR	EXC
SIB-SC-H08-0-1-07/26/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.259	JK	0.259	J	EMPC
SIB-SC-I04-6-7-08/09/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.36	BJ	2.36	U	MBL
SIB-SC-I04-7-8-08/09/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.389	BJK	0.389	UJ	MBL,EBL,EMPC
SIB-SC-I04-7-8-08/09/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.35	BJK	1.35	UJ	MBL,EMPC
SIB-SC-I04-7-8-08/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.185	BJK	0.185	UJ	MBL,EMPC
SIB-SC-I04-8-8.7-08/09/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.784	BJ	0.784	U	MBL,EBL
SIB-SC-I04-8-8.7-08/09/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.34	BJ	2.34	U	MBL
SIB-SC-I04-8-8.7-08/09/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.236	BJ	0.236	U	MBL,EBL
SIB-SC-I04-8-8.7-08/09/2022	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.22	BJK	0.22	UJ	MBL,EMPC
SIB-SC-I04-8-8.7-08/09/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.238	BJ	0.238	U	MBL
SIB-SC-I04-8-8.7-08/09/2022	OCTACHLORODIBENZOFURAN	0.777	BJ	0.777	U	MBL
SIB-SC-I04-8-8.7-08/09/2022	OCTACHLORODIBENZO-P-DIOXIN	16.1	K	16.1	J	EMPC
SIB-SC-I06-0-1-07/26/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.42	JK	1.42	J	EMPC
SIB-SC-I06-0-1-07/26/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.95	BJK	1.95	J	EMPC
SIB-SC-I06-0-1-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.87	JK	1.87	J	EMPC
SIB-SC-I06-0-1-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.06	--	3.06	DNR	EXC
SIB-SC-I06-0-1-07/26/2022	OCTACHLORODIBENZO-P-DIOXIN	7460	E	7460	J	ACR
SIB-SC-I08-0-1-07/28/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.44	K	3.44	J	EMPC
SIB-SC-I08-0-1-07/28/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	6.29	--	6.29	DNR	EXC
SIB-SC-I08-0-1-07/28/2022	OCTACHLORODIBENZO-P-DIOXIN	12900	E	12900	J	ACR
SIB-SC-J06-10-11-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	85.1	K	85.1	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	OCTACHLORODIBENZOFURAN	55300	E	55300	J	ACR
SIB-SC-J06-10-11-07/26/2022	OCTACHLORODIBENZO-P-DIOXIN	180000	E	180000	J	ACR
SIB-SC-J06-11-11.5-07/26/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	8.43	K	8.43	J	EMPC
SIB-SC-J06-11-11.5-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.47	JK	1.47	J	EMPC
SIB-SC-J06-11-11.5-07/26/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.2	JK	2.2	J	EMPC
SIB-SC-J06-11-11.5-07/26/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.02	--	2.02	DNR	EXC
SIB-SC-J06-11-11.5-07/26/2022	OCTACHLORODIBENZO-P-DIOXIN	13000	E	13000	J	ACR
SIB-SC-J08-0-1-09/01/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.98	JK	2.98	J	EMPC
SIB-SC-J08-0-1-09/01/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.24	JK	1.24	J	EMPC
SIB-SC-J08-0-1-09/01/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.75	JK	1.75	J	EMPC
SIB-SC-J08-0-1-09/01/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.59	K	2.59	DNR	EXC
SIB-SC-J08-0-1-09/01/2022	OCTACHLORODIBENZO-P-DIOXIN	4120	E	4120	J	ACR
SIB-SC-K01-0-1-08/20/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.37	JK	1.37	J	EMPC
SIB-SC-K01-0-1-08/20/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.43	JK	1.43	J	EMPC
SIB-SC-K01-0-1-08/20/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	3.65	--	3.65	DNR	EXC
SIB-SC-K01-0-1-08/20/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.51	K	0.51	J	EMPC
SIB-SC-K03-7-8-07/27/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.28	BJK	1.28	UJ	MBL,EMPC
SIB-SC-K03-7-8-07/27/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.49	BJK	1.49	UJ	MBL,EMPC
SIB-SC-K03-7-8-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.31	BJK	0.31	UJ	MBL,EMPC
SIB-SC-K03-7-8-07/27/2022	OCTACHLORODIBENZOFURAN	0.564	BJ	0.564	U	MBL
SIB-SC-K03-8-9-07/27/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.691	BJ	0.691	U	MBL
SIB-SC-K03-8-9-07/27/2022	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	2.33	BJ	2.33	U	MBL
SIB-SC-K03-8-9-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.281	BJ	0.281	U	MBL
SIB-SC-K03-8-9-07/27/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.204	BJ	0.204	U	MBL
SIB-SC-K03-8-9-07/27/2022	OCTACHLORODIBENZOFURAN	0.34	BJK	0.34	UJ	MBL,EMPC
SIB-SC-K04-0-1-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.816	BJ	0.816	U	MBL
SIB-SC-K04-0-1-07/27/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.5	BJK	1.5	J	EMPC
SIB-SC-K04-0-1-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.674	JK	0.674	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K04-0-1-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.633	JK	0.633	J	EMPC
SIB-SC-K04-0-1-07/27/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.577	K	0.577	J	EMPC
SIB-SC-L03-8-9-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.16	K	1.16	DNR	EXC
SIB-SC-L03-8-9-07/27/2022	OCTACHLORODIBENZO-P-DIOXIN	4600	E	4600	J	ACR
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.41	BJ	1.41	U	MBL
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.14	BJ	1.14	U	MBL
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.39	BJK	0.39	UJ	MBL,EMPC
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.268	JK	0.268	J	EMPC
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.374	JK	0.374	J	EMPC
SIB-SC-L03-9-9.6-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.366	JK	0.366	J	EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.17	BJK	1.17	UJ	MBL,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.63	BJK	0.63	UJ	MBL,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.416	JK	0.416	J	EMPC
SIB-SC-L04-0-1-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.17	K	6.17	J	EMPC
SIB-SC-L04-0-1-07/27/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.08	BJK	1.08	UJ	MBL,EMPC
SIB-SC-L04-0-1-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.49	JK	1.49	J	EMPC
SIB-SC-L04-0-1-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	2.04	K	2.04	DNR	EXC
SIB-SC-L04-0-1-07/27/2022	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.588	K	0.588	J	EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.3	BJK	1.3	UJ	MBL,EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.974	BJK	0.974	UJ	MBL,EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.545	BJK	0.545	UJ	MBL,EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.794	BJ	0.794	U	MBL
SIB-SC-L04-9-10-07/27/2022	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.304	JK	0.304	J	EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.334	JK	0.334	J	EMPC
SIB-SC-L04-9-10-07/27/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.332	JK	0.332	J	EMPC
SIB-SC-L04-9-10-07/27/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.842	BJ	0.842	U	MBL
SIB-SC-L04-9-10-07/27/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.518	BJ	0.518	U	MBL
SIB-SC-L04-10-11-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.26	BJ	1.26	U	MBL
SIB-SC-L04-10-11-07/27/2022	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.391	BJ	0.391	U	MBL
SIB-SC-L04-10-11-07/27/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.668	BJ	0.668	U	MBL
SIB-SC-L04-10-11-07/27/2022	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.883	BJK	0.883	UJ	MBL,EMPC
SIB-SC-L04-10-11-07/27/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	0.842	JK	0.842	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	OCTACHLORODIBENZO-P-DIOXIN	23400	E	23400	J	ACR
SIB-SC-N00-0-1-08/25/2022	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.17	BJK	2.17	J	EMPC
SIB-SC-N00-0-1-08/25/2022	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.18	BJ	1.18	U	MBL
SIB-SC-N00-0-1-08/25/2022	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.99	JK	2.99	J	EMPC
SIB-SC-N00-0-1-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.578	J	0.578	U	EBL
SIB-SC-N00-0-1-08/25/2022	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.771	JK	0.771	UJ	EBL,EMPC
SIB-SC-N00-0-1-08/25/2022	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.938	BJ	0.938	U	MBL,EBL
SIB-SC-N00-0-1-08/25/2022	2,3,7,8-TETRACHLORODIBENZOFURAN	1.03	--	1.03	DNR	EXC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21631
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.15.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.25.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SC-B25-0-1-07/25/2022	21631001	Sediment
SIB-SC-C05-0-1-07/24/2022	21631002	Sediment
SIB-SC-C23-0-1-07/06/2022	21631003	Sediment
SIB-SC-D33-14-14.4-07/07/2022	21631004	Sediment
SIB-SC-D37-0-1-08/25/2022	21631005	Sediment
SIB-SC-E06-0-1-08/08/2022	21631006	Sediment
SIB-SC-F20-0-1-07/21/2022	21631007	Sediment
SIB-SC-I04-6-7-08/09/2022	21631008	Sediment
SIB-SC-J06-10-11-07/26/2022	21631009	Sediment
SIB-SC-K03-8-9-07/27/2022	21631010	Sediment
SIB-SC-L03-9-9.6-07/27/2022	21631011	Sediment
SIB-SC-L04-10-11-07/27/2022	21631012	Sediment
SIB-SC-N00-0-1-08/25/2022	21631013	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – Nine samples were prepared between 3 and 24 days past the required holding time of 1 year. All results in these samples should be qualified J/UJ. All samples were analyzed within their required holding times.

***Qualification:* All results in samples SIB-SC-B25-0-1-07/25/2022, SIB-SC-C05-0-1-07/24/2022, SIB-SC-C23-0-1-07/06/2022, SIB-SC-D33-14-14.4-07/07/2022, SIB-SC-F20-0-1-07/21/2022, SIB-SC-J06-10-11-07/26/2022, SIB-SC-K03-8-9-07/27/2022, SIB-SC-L03-9-9.6-07/27/2022, and SIB-SC-L04-10-11-07/27/2022 are qualified J/UJ, reason code HTP.**

Method Blanks – The method 1668C method blank associated with all samples in this SDG was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-11	37.1	185.5
PCB-20/28	9.42	47.1
PCB-31	5.28	26.4
PCB-61/70/74/76	10.2	51
PCB-86/87/97/109/119/125	9.52	47.6
PCB-90/101/113	10.5	52.5
PCB-110/115	9.52	47.6
PCB-118	7.38	36.9
PCB-129/138/163	9.12	45.6
PCB-180/193	5.36	26.8

The following results are qualified U-MBL:

- SIB-SC-B25-0-1-07/25/2022: PCB-11, PCB-61/70/74/76, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-129/138/163, PCB-180/193
- SIB-SC-D33-14-14.4-07/07/2022: PCB-11
- SIB-SC-D37-0-1-08/25/2022: PCB-11
- SIB-SC-I04-6-7-08/09/2022: PCB-20/28, PCB-31
- SIB-SC-K03-8-9-07/27/2022: PCB-11, PCB-61/70/74/76, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-110/115, PCB-129/138/163, PCB-180/193
- SIB-SC-L03-9-9.6-07/27/2022: PCB-11
- SIB-SC-N00-0-1-08/25/2022: PCB-11

Qualification: Detections of contaminated compounds detected below the qualification threshold are qualified U, reason code MBL. Affected results are listed above.

Equipment Blanks – Rinse blank EB01-07122022 (results reported in SDG 20047) is associated with all sediment samples collected on 7.6.22 and 7.7.22. While some PCB congeners were detected in this EB, the HGL reviewer confirmed that all PCB congeners detected in the EB were attributable to aqueous sample preparation and that no qualification was required. Rinse blank EB04-07212022 (results reported in SDG 20081) is associated with all sediment samples collected on 7.21.22; Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected from 7.24.22 to 7.27.22; Equipment blank EB07-08092022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.8.22 and 8.9.22; Equipment blank EB09-08242022 (results reported in SDG 20282) is associated with all sediment samples collected on 8.25.22. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB04-07212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	4.03	4.03	20.15
PCB-18/30	6.94	6.94	34.7
PCB-20/28	6.63	6.63	33.15
PCB-31	6.94	6.94	34.7
PCB-86/87/97/109/119/125	5.29	5.29	26.45
PCB-90/101/113	5.09	5.09	25.45

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-95	6.4	6.4	32
PCB-110/115	6.49	6.49	32.45
PCB-118	5.81	5.81	29.05

All detected results in the associated samples were greater than the corresponding qualification limits and no qualification is required.

Qualification: None required.

EB05-07262022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25
PCB-17	5.38	5.38	26.9
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

The following results were qualified U-EBL due to contamination in EB05-07262022

- SIB-SC-B25-0-1-07/25/2022: PCB-86/87/97/109/119/125, PCB-95, PCB-135/151, PCB-147/149, PCB-187
- SIB-SC-K03-8-9-07/27/2022: PCB-44/47/65, PCB-86/87/97/109/119/125, PCB-95, PCB-110/115, PCB-147/149
- SIB-SC-L03-9-9.6-07/27/2022: PCB-16, PCB-18/30
- SIB-SC-L04-10-11-07/27/2022: PCB-8

EB07-08092022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	40.7	40.7	203.5
PCB-8	38.5	38.5	192.5
PCB-15	13.3	13.3	66.5
PCB-16	11.1	11.1	55.5
PCB-17	11.3	11.3	56.5
PCB-18/30	25.7	25.7	128.5
PCB-19	5.74	5.74	28.7
PCB-25	1.73	1.73	8.65
PCB-32	6.77	6.77	33.85
PCB-35	3.12	3.12	15.6
PCB-40/71	7.38	7.38	36.9
PCB-54	1.85	1.85	9.25
PCB-99	8.01	8.01	40.05

The following results were qualified U-EBL due to contamination in EB07-08092022

- SIB-SC-E06-0-1-08/08/2022: PCB-4
- SIB-SC-I04-6-7-08/09/2022: PCB-18/30, PCB-40/71

EB09-08242022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.2	31.2	156
PCB-8	53.1	53.1	265.5
PCB-15	24.6	24.6	123
PCB-16	16.7	16.7	83.5
PCB-17	13.7	13.7	68.5
PCB-18/30	32.5	32.5	162.5
PCB-19	6.56	6.56	32.8
PCB-25	3.36	3.36	16.8
PCB-32	9.22	9.22	46.1
PCB-35	5.27	5.27	26.35
PCB-40/71	9.04	9.04	45.2
PCB-42	5.64	5.64	28.2
PCB-48	5.44	5.44	27.2
PCB-99	13.1	13.1	65.5
PCB-132	5.07	5.07	25.35
PCB-174	3.49	3.49	17.45
PCB-179	2.15	2.15	10.75
PCB-183/185	3.82	3.82	19.1
PCB-202	1.93	1.93	9.65

The following results were qualified U-EBL due to contamination in EB09-08242022

- SIB-SC-D37-0-1-08/25/2022: PCB-15
- SIB-SC-N00-0-1-08/25/2022: PCB-18/30, PCB-19

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analyses were performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2-CHLOROBIPHENYL (1)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	4,4'-DICHLOROBIPHENYL (15)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3-CHLOROBIPHENYL (2)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	4-CHLOROBIPHENYL (3)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	6.99	JKh	6.99	J	HTP,EMPC
SIB-SC-B25-0-1-07/25/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,4'-DICHLOROBIPHENYL (8)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3'-DICHLOROBIPHENYL (11)	80.5	BJKh	80.5	UJ	HTP,MBL,EMPC
SIB-SC-B25-0-1-07/25/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-171/173		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL (177)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-180/193	9.81	BCJh	9.81	UJ	HTP,MBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-183/185		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	6.5	Jh	6.5	UJ	HTP,EBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-128/166		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-129/138/163	16	BCJh	16	UJ	HTP,MBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-135/151	7.86	CJh	7.86	UJ	HTP,EBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-139/140		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-147/149	12.4	CJh	12.4	UJ	HTP,EBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-153/168	14.9	CJh	14.9	J	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-156/157		CUh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	7.31	JKh	7.31	J	HTP,EMPC
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-197/200		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-198/199	10	CJKh	10	J	HTP,EMPC
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-85/116/117		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-86/87/97/109/119/125	13.6	BCJh	13.6	UJ	HTP,MBL,EBL
SIB-SC-B25-0-1-07/25/2022	PCB-90/101/113	17.1	BCJKh	17.1	UJ	HTP,MBL,EMPC
SIB-SC-B25-0-1-07/25/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	PCB-88/91		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-98/102		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-93/100		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	15	Jh	15	UJ	HTP,EBL
SIB-SC-B25-0-1-07/25/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-108/124		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-110/115		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-61/70/74/76	16.5	BCJh	16.5	UJ	HTP,MBL
SIB-SC-B25-0-1-07/25/2022	PCB-40/71		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-44/47/65		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	PCB-45/51		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-49/69		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-50/53		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',3-TRICHLOROBIPHENYL (16)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',4-TRICHLOROBIPHENYL (17)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-18/30		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,2',6-TRICHLOROBIPHENYL (19)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-20/28		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,4'-TRICHLOROBIPHENYL (22)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-21/33		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',4-TRICHLOROBIPHENYL (25)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-B25-0-1-07/25/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	PCB-26/29		CUh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,3',6-TRICHLOROBIPHENYL (27)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,4',5-TRICHLOROBIPHENYL (31)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	2,4',6-TRICHLOROBIPHENYL (32)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,4,4'-TRICHLOROBIPHENYL (37)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-B25-0-1-07/25/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2-CHLOROBIPHENYL (1)	36.6	JKh	36.6	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	4,4'-DICHLOROBIPHENYL (15)	108	Jh	108	J	HTP
SIB-SC-C05-0-1-07/24/2022	3-CHLOROBIPHENYL (2)	78.1	JKh	78.1	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	4-CHLOROBIPHENYL (3)	51.9	JKh	51.9	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	311	h	311	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3'-DICHLOROBIPHENYL (6)	44.4	JKh	44.4	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,4'-DICHLOROBIPHENYL (8)	109	JKh	109	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3'-DICHLOROBIPHENYL (11)	199	BJh	199	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	2840	h	2840	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-171/173	956	Ch	956	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	460	h	460	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	2860	h	2860	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	2100	h	2100	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4',5',6-HEPTACHLOROBIPHENYL (175)	139	Jh	139	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	459	h	459	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	872	h	872	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1600	h	1600	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-180/193	6140	Ch	6140	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	39.8	Jh	39.8	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-183/185	2060	Ch	2060	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	4200	h	4200	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	22.1	Jh	22.1	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	115	Jh	115	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	544	h	544	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	97	Jh	97	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-128/166	1230	Ch	1230	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	757	h	757	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-129/138/163	11700	Ch	11700	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	3540	h	3540	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	121	Jh	121	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	422	h	422	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-135/151	5250	Ch	5250	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	699	h	699	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	1850	h	1850	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	342	h	342	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-139/140	293	CJh	293	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	1730	h	1730	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	3000	h	3000	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	459	h	459	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	145	Jh	145	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-147/149	10400	Ch	10400	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	104	Jh	104	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	28.1	Jh	28.1	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-153/168	10700	Ch	10700	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	677	h	677	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	7.25	JKh	7.25	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	PCB-156/157	957	Ch	957	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	772	h	772	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	48.6	JKh	48.6	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	804	h	804	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	580	h	580	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	79.7	Jh	79.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	168	Jh	168	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	1330	h	1330	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	815	h	815	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	586	h	586	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-197/200	264	CJh	264	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-198/199	1590	Ch	1590	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	207	Jh	207	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	283	h	283	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	971	h	971	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	72.2	Jh	72.2	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	335	h	335	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	503	h	503	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	302	h	302	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	1170	h	1170	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-85/116/117	641	Ch	641	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-86/87/97/109/119/125	3080	Ch	3080	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-90/101/113	7030	Ch	7030	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-88/91	1350	Ch	1350	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-98/102	213	CJkh	213	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	2030	h	2030	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	84.6	Jh	84.6	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-93/100	303	CJh	303	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	5720	h	5720	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	72.7	Jh	72.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	3450	h	3450	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	357	h	357	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	15.1	JKh	15.1	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	1160	h	1160	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-108/124	127	CJh	127	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	67.4	Jh	67.4	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	425	h	425	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-110/115	6590	Ch	6590	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	76.7	JKh	76.7	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	49.2	Jh	49.2	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	4120	h	4120	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	101	Jh	101	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C05-0-1-07/24/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4,4,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-61/70/74/76	2130	Ch	2130	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-40/71	392	CJh	392	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	193	JKh	193	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-44/47/65	1900	Ch	1900	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	47.4	JKh	47.4	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	PCB-45/51	432	Ch	432	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-49/69	1250	Ch	1250	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	105	Jh	105	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-50/53	293	CJh	293	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	2620	h	2620	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	39.8	Jh	39.8	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	392	h	392	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	85.1	CJKh	85.1	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	92.4	Jh	92.4	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	1190	h	1190	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	47.4	Jh	47.4	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	63.2	Jh	63.2	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	359	h	359	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	61	Jh	61	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',5,6-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	68.7	Jh	68.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	48.2	JKh	48.2	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C05-0-1-07/24/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',3-TRICHLOROBIPHENYL (16)	36.6	Jh	36.6	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',4-TRICHLOROBIPHENYL (17)	116	Jh	116	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-18/30	130	CJh	130	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,2',6-TRICHLOROBIPHENYL (19)	93.7	Jh	93.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-20/28	463	Ch	463	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,4'-TRICHLOROBIPHENYL (22)	90.7	Jh	90.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-21/33	228	CJh	228	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',4-TRICHLOROBIPHENYL (25)	47.7	Jh	47.7	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	PCB-26/29	79.4	CJh	79.4	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	2,3',6-TRICHLOROBIPHENYL (27)	24.7	JKh	24.7	J	HTP,EMPC
SIB-SC-C05-0-1-07/24/2022	2,4',5-TRICHLOROBIPHENYL (31)	287	h	287	J	HTP
SIB-SC-C05-0-1-07/24/2022	2,4',6-TRICHLOROBIPHENYL (32)	86.4	Jh	86.4	J	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,4,4'-TRICHLOROBIPHENYL (37)	131	Jh	131	J	HTP
SIB-SC-C05-0-1-07/24/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-C05-0-1-07/24/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2-CHLOROBIPHENYL (1)	31.4	JKh	31.4	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	4,4'-DICHLOROBIPHENYL (15)	80.8	Jh	80.8	J	HTP
SIB-SC-C23-0-1-07/06/2022	3-CHLOROBIPHENYL (2)	52.1	JKh	52.1	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	4-CHLOROBIPHENYL (3)	33.9	Jh	33.9	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	283	h	283	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,4'-DICHLOROBIPHENYL (8)	66.1	Jh	66.1	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3'-DICHLOROBIPHENYL (11)	238	BJKh	238	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	2470	h	2470	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-171/173	793	Ch	793	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	393	h	393	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	2450	h	2450	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	1600	h	1600	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	117	Jh	117	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	347	h	347	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	616	h	616	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	1160	h	1160	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-180/193	5400	Ch	5400	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	26.4	Jh	26.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	21.2	Jh	21.2	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-183/185	1780	Ch	1780	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	3150	h	3150	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	100	JKh	100	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	497	h	497	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	88.6	Jh	88.6	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-128/166	979	Ch	979	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	531	h	531	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-129/138/163	9120	Ch	9120	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	2640	h	2640	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	101	Jh	101	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	201	Jh	201	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-135/151	3510	Ch	3510	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	509	h	509	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	1280	h	1280	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	275	h	275	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-139/140	144	CJh	144	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	1430	h	1430	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	1590	h	1590	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	419	h	419	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	51.5	Jh	51.5	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-147/149	7230	Ch	7230	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	49.2	Jh	49.2	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	25.7	JKh	25.7	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	PCB-153/168	7860	Ch	7860	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	272	h	272	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-156/157	774	Ch	774	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	661	h	661	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	25.2	Jh	25.2	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	549	h	549	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	499	h	499	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	60.1	Jh	60.1	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	155	Jh	155	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	1100	h	1100	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	636	h	636	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (195)	490	h	490	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-197/200	203	CJh	203	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-198/199	1310	Ch	1310	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	163	Jh	163	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	242	h	242	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	788	h	788	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	55.4	Jh	55.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	288	h	288	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	485	h	485	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	327	h	327	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	1130	h	1130	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-85/116/117	584	CJh	584	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-86/87/97/109/119/125	2940	Ch	2940	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-90/101/113	5610	Ch	5610	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-88/91	981	Ch	981	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-98/102	220	CJh	220	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	1380	h	1380	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	76.4	Jh	76.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-93/100	293	CJh	293	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	5030	h	5030	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	64.2	Jh	64.2	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	2380	h	2380	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	177	Jh	177	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	18.9	Jh	18.9	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	1170	h	1170	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-108/124	136	CJkh	136	J	HTP,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	60.1	Jh	60.1	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	289	h	289	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-110/115	5910	Ch	5910	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	66.4	Jh	66.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	50.5	Jh	50.5	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	3720	h	3720	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-61/70/74/76	1630	Ch	1630	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-40/71	295	CJh	295	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	162	Jh	162	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-44/47/65	1780	Ch	1780	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	47.4	JKh	47.4	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	PCB-45/51	518	Ch	518	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-49/69	894	Ch	894	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	84.7	Jh	84.7	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-50/53	290	CJh	290	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	2260	h	2260	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	52.1	Jh	52.1	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	290	h	290	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	75.7	CJh	75.7	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	80.1	Jh	80.1	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-C23-0-1-07/06/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	890	h	890	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	321	h	321	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	38.8	Jh	38.8	J	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	62.7	Jh	62.7	J	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',3-TRICHLOROBIPHENYL (16)	41.4	Jh	41.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',4-TRICHLOROBIPHENYL (17)	74.4	Jh	74.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-18/30	95.4	CJh	95.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,2',6-TRICHLOROBIPHENYL (19)	73.2	Jh	73.2	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-20/28	290	CJh	290	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3,4'-TRICHLOROBIPHENYL (22)	57.4	Jh	57.4	J	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-21/33	122	CJh	122	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',4-TRICHLOROBIPHENYL (25)	36.1	JKh	36.1	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	PCB-26/29	56.9	CJKh	56.9	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	2,3',6-TRICHLOROBIPHENYL (27)	22.5	JKh	22.5	J	HTP,EMPC
SIB-SC-C23-0-1-07/06/2022	2,4',5-TRICHLOROBIPHENYL (31)	169	Jh	169	J	HTP
SIB-SC-C23-0-1-07/06/2022	2,4',6-TRICHLOROBIPHENYL (32)	74.3	Jh	74.3	J	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,4,4'-TRICHLOROBIPHENYL (37)	94.6	Jh	94.6	J	HTP
SIB-SC-C23-0-1-07/06/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-C23-0-1-07/06/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2-CHLOROBIPHENYL (1)	72.4	JKh	72.4	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	4,4'-DICHLOROBIPHENYL (15)	408	h	408	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3-CHLOROBIPHENYL (2)	26.8	JKh	26.8	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	4-CHLOROBIPHENYL (3)	69.2	Jh	69.2	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	872	h	872	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2'-DICHLOROBIPHENYL (4)	234	Jh	234	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3'-DICHLOROBIPHENYL (6)	170	Kh	170	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	2,4'-DICHLOROBIPHENYL (8)	672	h	672	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3'-DICHLOROBIPHENYL (11)	100	BJh	100	UJ	HTP,MBL
SIB-SC-D33-14-14.4-07/07/2022	PCB-12/13	42.3	CJKh	42.3	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	7000	h	7000	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-171/173	2340	Ch	2340	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	1350	h	1350	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	8560	h	8560	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	5800	h	5800	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	392	h	392	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	1300	h	1300	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	2440	h	2440	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	4550	h	4550	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-180/193	17500	Ch	17500	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	117	Jh	117	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	37.9	Jh	37.9	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-183/185	5610	Ch	5610	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	12100	h	12100	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	235	h	235	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	1290	h	1290	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	239	h	239	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-128/166	1930	Ch	1930	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	1930	h	1930	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-129/138/163	22300	Ch	22300	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	6450	h	6450	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	178	h	178	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	964	h	964	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-135/151	11100	Ch	11100	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	1120	h	1120	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	3840	h	3840	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	428	h	428	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-139/140	524	Ch	524	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	2920	h	2920	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	7390	h	7390	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	1010	h	1010	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	277	h	277	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-147/149	20700	Ch	20700	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	120	Jh	120	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-153/168	24500	Ch	24500	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	1280	h	1280	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-156/157	1330	Ch	1330	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	1040	h	1040	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	56	Jh	56	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	1430	h	1430	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	1390	h	1390	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	199	h	199	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	368	h	368	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	4450	h	4450	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	2390	h	2390	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	1680	h	1680	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-197/200	811	Ch	811	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-198/199	5450	Ch	5450	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	688	h	688	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	885	h	885	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	2810	h	2810	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	214	h	214	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	474	h	474	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	1330	h	1330	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	813	h	813	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	3150	h	3150	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-85/116/117	1720	Ch	1720	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-86/87/97/109/119/125	7440	Ch	7440	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-90/101/113	17200	Ch	17200	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	140	Jh	140	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-88/91	2650	Ch	2650	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-98/102	504	Ch	504	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	5090	h	5090	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-93/100	251	CJh	251	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	13700	h	13700	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	113	Jh	113	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	9220	h	9220	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	599	h	599	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	2020	h	2020	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-108/124	248	CJh	248	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	167	Jh	167	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	1190	h	1190	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-110/115	16200	Ch	16200	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	135	Jh	135	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	99.8	Jh	99.8	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	9800	h	9800	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	263	h	263	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-61/70/74/76	13200	Ch	13200	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-40/71	2770	Ch	2770	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	2220	h	2220	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	226	h	226	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	PCB-44/47/65	7380	Ch	7380	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	325	h	325	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	285	h	285	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-45/51	968	Ch	968	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-49/69	5800	Ch	5800	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	1230	h	1230	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-50/53	691	Ch	691	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	9050	h	9050	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	9.53	JKh	9.53	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	3480	h	3480	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)	191	h	191	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	115	Jh	115	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	590	Ch	590	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	436	h	436	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	8890	h	8890	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	300	h	300	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	181	h	181	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	139	Jh	139	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	2920	h	2920	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	362	h	362	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)	109	Jh	109	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	470	h	470	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	107	JKh	107	J	HTP,EMPC
SIB-SC-D33-14-14.4-07/07/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',3-TRICHLOROBIPHENYL (16)	727	h	727	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',4-TRICHLOROBIPHENYL (17)	1290	h	1290	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-18/30	1950	Ch	1950	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,2',6-TRICHLOROBIPHENYL (19)	174	h	174	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-20/28	5160	Ch	5160	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,4'-TRICHLOROBIPHENYL (22)	1100	h	1100	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-21/33	2110	Ch	2110	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D33-14-14.4-07/07/2022	2,3',4-TRICHLOROBIPHENYL (25)	446	h	446	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2',3,5-TRICHLOROBIPHENYL (34)	81.8	Jh	81.8	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	PCB-26/29	723	Ch	723	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,3',6-TRICHLOROBIPHENYL (27)	157	Jh	157	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,4',5-TRICHLOROBIPHENYL (31)	3640	h	3640	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	2,4',6-TRICHLOROBIPHENYL (32)	660	h	660	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',4-TRICHLOROBIPHENYL (35)	68.1	Jh	68.1	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,4,4'-TRICHLOROBIPHENYL (37)	976	h	976	J	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-D33-14-14.4-07/07/2022	3,4',5-TRICHLOROBIPHENYL (39)	89.8	Jh	89.8	J	HTP
SIB-SC-D37-0-1-08/25/2022	4,4'-DICHLOROBIPHENYL (15)	82	J	82	U	EBL
SIB-SC-D37-0-1-08/25/2022	2,3'-DICHLOROBIPHENYL (6)	84.4	JK	84.4	J	EMPC
SIB-SC-D37-0-1-08/25/2022	3,3'-DICHLOROBIPHENYL (11)	114	BJ	114	U	MBL
SIB-SC-D37-0-1-08/25/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	48.6	JK	48.6	J	EMPC
SIB-SC-D37-0-1-08/25/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	26.6	JK	26.6	J	EMPC
SIB-SC-D37-0-1-08/25/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	29.3	JK	29.3	J	EMPC
SIB-SC-D37-0-1-08/25/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	44.7	JK	44.7	J	EMPC
SIB-SC-D37-0-1-08/25/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	73.8	CJK	73.8	J	EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-D37-0-1-08/25/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	41.5	JK	41.5	J	EMPC
SIB-SC-D37-0-1-08/25/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	25.4	JK	25.4	J	EMPC
SIB-SC-E06-0-1-08/08/2022	2,2'-DICHLOROBIPHENYL (4)	87.2	JK	87.2	UJ	EBL,EMPC
SIB-SC-E06-0-1-08/08/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	44.8	JK	44.8	J	EMPC
SIB-SC-E06-0-1-08/08/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	70.5	JK	70.5	J	EMPC
SIB-SC-E06-0-1-08/08/2022	2,3',6-TRICHLOROBIPHENYL (27)	28.8	JK	28.8	J	EMPC
SIB-SC-F20-0-1-07/21/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2-CHLOROBIPHENYL (1)	263	h	263	J	HTP
SIB-SC-F20-0-1-07/21/2022	4,4'-DICHLOROBIPHENYL (15)	166	Jh	166	J	HTP
SIB-SC-F20-0-1-07/21/2022	3-CHLOROBIPHENYL (2)	142	JKh	142	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	4-CHLOROBIPHENYL (3)	157	Jh	157	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	380	h	380	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2'-DICHLOROBIPHENYL (4)	207	Jh	207	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3'-DICHLOROBIPHENYL (6)	88.1	Jh	88.1	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,4'-DICHLOROBIPHENYL (8)	164	JKh	164	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,3'-DICHLOROBIPHENYL (11)	283	BJh	283	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	9340	h	9340	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-171/173	2990	Ch	2990	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	1530	h	1530	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	9330	h	9330	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	6820	h	6820	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	432	h	432	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	1460	h	1460	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	2820	h	2820	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	4850	h	4850	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-180/193	19900	Ch	19900	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	110	Jh	110	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (181)	56.6	Jh	56.6	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-183/185	6410	Ch	6410	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	12900	h	12900	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)	51.6	Jh	51.6	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	349	h	349	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	1780	h	1780	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	328	h	328	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-128/166	2410	Ch	2410	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	1690	h	1690	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-129/138/163	30800	Ch	30800	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	8980	h	8980	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	231	Jh	231	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	1290	h	1290	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-135/151	15000	Ch	15000	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	1570	h	1570	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	5150	h	5150	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	531	h	531	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-139/140	625	Ch	625	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	4970	h	4970	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	7740	h	7740	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	1520	h	1520	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	458	h	458	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-147/149	27400	Ch	27400	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	301	h	301	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	122	JKh	122	J	HTP,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F20-0-1-07/21/2022	PCB-153/168	30400	Ch	30400	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	1560	h	1560	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)	52.9	JKh	52.9	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	PCB-156/157	2090	Ch	2090	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	2080	h	2080	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	42.6	JKh	42.6	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	2070	h	2070	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	1150	h	1150	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	145	Jh	145	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	287	h	287	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	3900	h	3900	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	2240	h	2240	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	1640	h	1640	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-197/200	661	Ch	661	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-198/199	4120	Ch	4120	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	547	h	547	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	771	h	771	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	2520	h	2520	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	200	Jh	200	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	814	h	814	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	941	h	941	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	621	h	621	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	2450	h	2450	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F20-0-1-07/21/2022	PCB-85/116/117	1370	Ch	1370	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-86/87/97/109/119/125	6760	Ch	6760	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-90/101/113	18800	Ch	18800	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-88/91	4190	Ch	4190	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-98/102	775	Ch	775	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	5020	h	5020	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	496	h	496	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-93/100	5150	Ch	5150	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	14900	h	14900	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	419	h	419	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	8170	h	8170	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	1630	h	1630	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)	576	h	576	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	2150	h	2150	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-108/124	274	CJh	274	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	853	h	853	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-110/115	14200	Ch	14200	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)	72.7	Jh	72.7	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	125	Jh	125	J	HTP
SIB-SC-F20-0-1-07/21/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	90.3	JKh	90.3	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	8080	h	8080	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	313	h	313	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)	152	Jh	152	J	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-61/70/74/76	3290	Ch	3290	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-40/71	1280	Ch	1280	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	415	h	415	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F20-0-1-07/21/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	173	Jh	173	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-44/47/65	25400	Ch	25400	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	114	Jh	114	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	388	h	388	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-45/51	12800	Ch	12800	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-49/69	8270	Ch	8270	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	214	Jh	214	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-50/53	3320	Ch	3320	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	5440	h	5440	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	1450	h	1450	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	502	h	502	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	1050	Ch	1050	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	125	Jh	125	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	2010	h	2010	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)	143	Jh	143	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	297	h	297	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)	86.5	JKh	86.5	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	626	h	626	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	183	Jh	183	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',5,6-TETRACHLOROBIPHENYL (73)	371	h	371	J	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	168	Jh	168	J	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	98.1	JKh	98.1	J	HTP,EMPC
SIB-SC-F20-0-1-07/21/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',3-TRICHLOROBIPHENYL (16)	67.9	Jh	67.9	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',4-TRICHLOROBIPHENYL (17)	344	h	344	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-18/30	195	CJh	195	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,2',6-TRICHLOROBIPHENYL (19)	413	h	413	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-F20-0-1-07/21/2022	PCB-20/28	1160	Ch	1160	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,4'-TRICHLOROBIPHENYL (22)	99.8	Jh	99.8	J	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-21/33	447	CJh	447	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',4-TRICHLOROBIPHENYL (25)	223	Jh	223	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	PCB-26/29	149	CJh	149	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	2,3',6-TRICHLOROBIPHENYL (27)	247	h	247	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,4',5-TRICHLOROBIPHENYL (31)	570	h	570	J	HTP
SIB-SC-F20-0-1-07/21/2022	2,4',6-TRICHLOROBIPHENYL (32)	1370	h	1370	J	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,4,4'-TRICHLOROBIPHENYL (37)	162	Jh	162	J	HTP
SIB-SC-F20-0-1-07/21/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-F20-0-1-07/21/2022	3,4',5-TRICHLOROBIPHENYL (39)	53.3	Jh	53.3	J	HTP
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	23.4	JK	23.4	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	18.7	JK	18.7	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	34.3	JK	34.3	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	29.3	JK	29.3	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	66.1	JK	66.1	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	24	JK	24	J	EMPC
SIB-SC-I04-6-7-08/09/2022	PCB-197/200	16.4	CJK	16.4	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	15.6	JK	15.6	J	EMPC
SIB-SC-I04-6-7-08/09/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	21.6	JK	21.6	J	EMPC
SIB-SC-I04-6-7-08/09/2022	PCB-40/71	27.9	CJ	27.9	U	EBL
SIB-SC-I04-6-7-08/09/2022	PCB-50/53	13.6	CJK	13.6	J	EMPC
SIB-SC-I04-6-7-08/09/2022	PCB-18/30	15.9	CJ	15.9	U	EBL
SIB-SC-I04-6-7-08/09/2022	PCB-20/28	43.8	BCJ	43.8	U	MBL
SIB-SC-I04-6-7-08/09/2022	2,4',5-TRICHLOROBIPHENYL (31)	23.8	BJ	23.8	U	MBL
SIB-SC-J06-10-11-07/26/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2-CHLOROBIPHENYL (1)	697	Jh	697	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	4,4'-DICHLOROBIPHENYL (15)	1800	h	1800	J	HTP
SIB-SC-J06-10-11-07/26/2022	3-CHLOROBIPHENYL (2)	98	Jh	98	J	HTP
SIB-SC-J06-10-11-07/26/2022	4-CHLOROBIPHENYL (3)	290	Jh	290	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	2910	h	2910	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2'-DICHLOROBIPHENYL (4)	1540	Jh	1540	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3'-DICHLOROBIPHENYL (6)	495	Jh	495	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,4'-DICHLOROBIPHENYL (8)	4680	h	4680	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3'-DICHLOROBIPHENYL (11)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	28400	h	28400	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-171/173	8910	Ch	8910	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	4350	h	4350	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	24900	h	24900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	15900	h	15900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	1280	Jh	1280	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	3800	h	3800	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	5570	h	5570	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	10900	h	10900	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-180/193	53300	Ch	53300	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	234	Jh	234	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)	439	Jh	439	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-183/185	17400	Ch	17400	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	28400	h	28400	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	1110	Jh	1110	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	5310	h	5310	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	1060	Jh	1060	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-128/166	39400	Ch	39400	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	16700	h	16700	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-129/138/163	255000	Ch	255000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	84800	h	84800	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	3860	h	3860	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	3290	h	3290	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-135/151	64100	Ch	64100	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	15400	h	15400	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	30600	h	30600	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	14400	h	14400	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-139/140	4480	Ch	4480	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	32900	h	32900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	29200	h	29200	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	9600	h	9600	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)	402	Jh	402	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-147/149	150000	Ch	150000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)	283	Jh	283	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)	252	Jh	252	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-153/168	164000	Ch	164000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	2650	h	2650	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-156/157	32000	Ch	32000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	23300	h	23300	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)	613	Jh	613	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	13800	h	13800	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	3830	h	3830	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	485	Jh	485	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	962	Jh	962	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	10200	h	10200	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	5630	h	5630	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	4080	h	4080	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-197/200	1730	CJh	1730	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-198/199	11500	Ch	11500	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	1320	Jh	1320	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	1800	h	1800	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	6710	h	6710	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	520	Jh	520	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	8910	h	8910	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	45300	h	45300	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	19100	h	19100	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	92000	h	92000	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-85/116/117	54500	Ch	54500	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-86/87/97/109/119/125	232000	Ch	232000	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-90/101/113	343000	Ch	343000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)	4540	h	4540	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-88/91	46800	Ch	46800	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-98/102	9960	Ch	9960	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	73200	h	73200	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)	1410	Jh	1410	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	PCB-93/100	1970	CJh	1970	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	121000	Qh	121000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	2570	h	2570	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	170000	h	170000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	2820	h	2820	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	107000	h	107000	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-108/124	10100	Ch	10100	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)	4510	h	4510	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	21300	h	21300	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-110/115	416000	Ch	416000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	6480	h	6480	J	HTP
SIB-SC-J06-10-11-07/26/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	3190	h	3190	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	334000	h	334000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)	1080	Jh	1080	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-61/70/74/76	371000	Ch	371000	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-40/71	59900	Ch	59900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	47900	h	47900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)	10600	h	10600	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-44/47/65	198000	Ch	198000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)	7630	h	7630	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	8740	h	8740	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-45/51	26500	Ch	26500	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-49/69	117000	Ch	117000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	34400	h	34400	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-50/53	23100	Ch	23100	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	304000	h	304000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)	264	Jh	264	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	88800	h	88800	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',4'-TETRACHLOROBIPHENYL (55)	2160	h	2160	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)	602	JKh	602	J	HTP,EMPC
SIB-SC-J06-10-11-07/26/2022	2,3,3',5'-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,3',6'-TETRACHLOROBIPHENYL (59)	10900	Ch	10900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	34700	h	34700	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	207000	h	207000	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,4',5'-TETRACHLOROBIPHENYL (63)	7140	h	7140	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)	1290	Jh	1290	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4,5'-TETRACHLOROBIPHENYL (67)	2500	h	2500	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,4',6'-TETRACHLOROBIPHENYL (64)	81700	h	81700	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	2360	h	2360	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)	2830	h	2830	J	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)	11800	h	11800	J	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	2520	h	2520	J	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4,5'-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,4,4',5'-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',3-TRICHLOROBIPHENYL (16)	14100	h	14100	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',4-TRICHLOROBIPHENYL (17)	19900	h	19900	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-18/30	49600	Ch	49600	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,2',6-TRICHLOROBIPHENYL (19)	3580	h	3580	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-20/28	88500	Ch	88500	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,4'-TRICHLOROBIPHENYL (22)	24100	h	24100	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-21/33	36900	Ch	36900	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3',4-TRICHLOROBIPHENYL (25)	2160	h	2160	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	2',3,5-TRICHLOROBIPHENYL (34)	688	Jh	688	J	HTP
SIB-SC-J06-10-11-07/26/2022	PCB-26/29	6780	Ch	6780	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-J06-10-11-07/26/2022	2,3,6-TRICHLOROBIPHENYL (27)	2540	h	2540	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,4,5-TRICHLOROBIPHENYL (31)	83700	h	83700	J	HTP
SIB-SC-J06-10-11-07/26/2022	2,4,6-TRICHLOROBIPHENYL (32)	13800	h	13800	J	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,4,4'-TRICHLOROBIPHENYL (37)	13200	h	13200	J	HTP
SIB-SC-J06-10-11-07/26/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-J06-10-11-07/26/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2-CHLOROBIPHENYL (1)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	4,4'-DICHLOROBIPHENYL (15)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3-CHLOROBIPHENYL (2)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	4-CHLOROBIPHENYL (3)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,4'-DICHLOROBIPHENYL (8)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3'-DICHLOROBIPHENYL (11)	66.6	BJKh	66.6	UJ	HTP,MBL,EMPC
SIB-SC-K03-8-9-07/27/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-171/173		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-180/193	5.39	BCJh	5.39	UJ	HTP,MBL
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-183/185		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-128/166		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-129/138/163	9.78	BCJh	9.78	UJ	HTP,MBL
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-135/151		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-139/140		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-147/149	5.59	CJKh	5.59	UJ	HTP,EBL,EMPC
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-8-9-07/27/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-153/168	6.84	CJKh	6.84	J	HTP,EMPC
SIB-SC-K03-8-9-07/27/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-156/157		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-197/200		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-198/199		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-85/116/117		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-86/87/97/109/119/125	5.59	BCJh	5.59	UJ	HTP,MBL,EBL
SIB-SC-K03-8-9-07/27/2022	PCB-90/101/113	8.35	BCJKh	8.35	UJ	HTP,MBL,EMPC
SIB-SC-K03-8-9-07/27/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-88/91		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-98/102		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-93/100		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	7.37	JKh	7.37	UJ	HTP,EBL,EMPC
SIB-SC-K03-8-9-07/27/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-108/124		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-110/115	10.3	BCJh	10.3	UJ	HTP,MBL,EBL
SIB-SC-K03-8-9-07/27/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-61/70/74/76	9.75	BCJKh	9.75	UJ	HTP,MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-8-9-07/27/2022	PCB-40/71		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,4'-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-44/47/65	8.55	CJKh	8.55	UJ	HTP,EBL,EMPC
SIB-SC-K03-8-9-07/27/2022	2,2',3,5'-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-45/51		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-49/69		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4,5'-TETRACHLOROBIPHENYL (48)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-50/53		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',4'-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',5'-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,3',6'-TETRACHLOROBIPHENYL (59)		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,4',5'-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4,5'-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,4',6'-TETRACHLOROBIPHENYL (64)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4,5'-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,4,4',5'-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',3-TRICHLOROBIPHENYL (16)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',4-TRICHLOROBIPHENYL (17)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-K03-8-9-07/27/2022	PCB-18/30		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,2',6-TRICHLOROBIPHENYL (19)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-20/28		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,4'-TRICHLOROBIPHENYL (22)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-21/33		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',4-TRICHLOROBIPHENYL (25)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	PCB-26/29		CUh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,3',6-TRICHLOROBIPHENYL (27)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,4',5-TRICHLOROBIPHENYL (31)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	2,4',6-TRICHLOROBIPHENYL (32)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,4,4'-TRICHLOROBIPHENYL (37)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-K03-8-9-07/27/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2-CHLOROBIPHENYL (1)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	4,4'-DICHLOROBIPHENYL (15)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3-CHLOROBIPHENYL (2)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	4-CHLOROBIPHENYL (3)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	165	h	165	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,4'-DICHLOROBIPHENYL (8)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3'-DICHLOROBIPHENYL (11)	60.2	BJKh	60.2	UJ	HTP,MBL,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L03-9-9.6-07/27/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	375	h	375	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-171/173	134	CJh	134	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	66.7	Jh	66.7	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	397	h	397	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	250	h	250	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	19.2	Jh	19.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	56.3	Jh	56.3	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	92.2	Jh	92.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	176	h	176	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-180/193	846	Ch	846	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-183/185	273	Ch	273	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	476	h	476	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	17.1	JKh	17.1	J	HTP,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	69.8	Jh	69.8	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	11.5	Jh	11.5	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-128/166	159	CJh	159	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	100	Jh	100	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-129/138/163	1500	Ch	1500	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	434	h	434	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	36.3	Jh	36.3	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-135/151	528	Ch	528	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	74.3	Jh	74.3	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	205	h	205	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	29	Jh	29	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-139/140	23.7	CJh	23.7	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	229	h	229	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	301	h	301	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	65.8	Jh	65.8	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-147/149	1190	Ch	1190	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-153/168	1330	Ch	1330	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	48.9	JKh	48.9	J	HTP,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-156/157	129	CJh	129	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	74.3	Jh	74.3	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	108	Jh	108	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	102	Jh	102	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	13.7	Jh	13.7	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	30.6	Jh	30.6	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	180	h	180	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	101	Jh	101	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	69.1	Jh	69.1	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-197/200	32.2	CJh	32.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-198/199	205	CJh	205	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	29.8	JKh	29.8	J	HTP,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	35.1	Jh	35.1	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	129	Jh	129	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	11	Jh	11	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	38.6	Jh	38.6	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	82.1	Jh	82.1	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	61.6	Jh	61.6	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	223	h	223	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-85/116/117	102	CJh	102	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-86/87/97/109/119/125	523	CJh	523	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-90/101/113	1110	Ch	1110	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-88/91	159	CJh	159	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-98/102		CUh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	281	h	281	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-93/100		CUh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	927	h	927	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	6.47	JKh	6.47	J	HTP,EMPC
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	564	h	564	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	163	h	163	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-108/124		CUh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	63.2	Jh	63.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-110/115	1180	Ch	1180	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	718	h	718	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-61/70/74/76	691	Ch	691	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-40/71	121	CJh	121	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	83	Jh	83	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-44/47/65	400	Ch	400	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	14.7	Jh	14.7	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-45/51	46	CJh	46	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-49/69	310	Ch	310	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	52.5	Jh	52.5	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-50/53	39.9	CJh	39.9	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	626	h	626	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	151	h	151	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',4-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',5-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,3',6-TETRACHLOROBIPHENYL (59)	19.2	CJh	19.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)	28.2	Jh	28.2	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	439	h	439	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,4',5-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4,5-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L03-9-9.6-07/27/2022	2,3,4',6-TETRACHLOROBIPHENYL (64)	129	Jh	129	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',5',6-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4,5-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,4,4',5-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,2',3-TRICHLOROBIPHENYL (16)	16.8	Jh	16.8	UJ	HTP,EBL
SIB-SC-L03-9-9.6-07/27/2022	2,2',4-TRICHLOROBIPHENYL (17)	43.9	Jh	43.9	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-18/30	55.5	CJh	55.5	UJ	HTP,EBL
SIB-SC-L03-9-9.6-07/27/2022	2,2',6-TRICHLOROBIPHENYL (19)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-20/28	189	CJh	189	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,4'-TRICHLOROBIPHENYL (22)	34.7	Jh	34.7	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-21/33	119	CJh	119	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',4-TRICHLOROBIPHENYL (25)	9.9	Jh	9.9	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	PCB-26/29	18.6	CJh	18.6	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,3',6-TRICHLOROBIPHENYL (27)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,4',5-TRICHLOROBIPHENYL (31)	108	Jh	108	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	2,4',6-TRICHLOROBIPHENYL (32)	24.9	Jh	24.9	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,4,4'-TRICHLOROBIPHENYL (37)	32	Jh	32	J	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-L03-9-9.6-07/27/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2-CHLOROBIPHENYL (1)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	4,4'-DICHLOROBIPHENYL (15)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3-CHLOROBIPHENYL (2)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	4-CHLOROBIPHENYL (3)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	58	Jh	58	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,4'-DICHLOROBIPHENYL (8)	60.1	JKh	60.1	UJ	HTP,EBL,EMPC
SIB-SC-L04-10-11-07/27/2022	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3'-DICHLOROBIPHENYL (11)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-12/13		CUh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	387	h	387	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-171/173	128	CJh	128	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	70.4	Jh	70.4	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	362	h	362	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	244	h	244	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	16.5	Jh	16.5	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	56.4	Jh	56.4	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	88.3	Jh	88.3	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	166	h	166	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-180/193	782	Ch	782	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-183/185	267	Ch	267	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	457	h	457	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	16.6	JKh	16.6	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	74.3	Jh	74.3	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	16.6	JKh	16.6	J	HTP,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-128/166	241	CJh	241	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	127	Jh	127	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-129/138/163	1980	Ch	1980	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	647	h	647	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	44.8	Jh	44.8	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-135/151	646	Ch	646	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	112	Jh	112	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	283	h	283	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	82.8	Jh	82.8	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-139/140	36.7	CJh	36.7	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	273	h	273	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	342	h	342	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	70.9	Jh	70.9	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-147/149	1550	Ch	1550	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-153/168	1650	Ch	1650	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	50.7	Jh	50.7	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-156/157	203	CJh	203	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	139	h	139	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	116	Jh	116	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	109	Jh	109	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	14	JKh	14	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	28	Jh	28	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	192	h	192	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	107	Jh	107	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	79.2	Jh	79.2	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-197/200	38.5	CJKh	38.5	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	PCB-198/199	210	CJh	210	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	28.1	Jh	28.1	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	39.1	Jh	39.1	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	144	h	144	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	57.8	Jh	57.8	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	150	h	150	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	132	Jh	132	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	467	h	467	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-85/116/117	203	CJh	203	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-86/87/97/109/119/125	997	Ch	997	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-90/101/113	2050	Ch	2050	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-88/91	301	Ch	301	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-98/102		CUh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	482	h	482	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-93/100		CUh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	1770	h	1770	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	13.5	Jh	13.5	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	1020	h	1020	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	36.7	Jh	36.7	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	289	h	289	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-108/124		CUh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	114	Jh	114	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-110/115	2280	Ch	2280	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,4,4',5-PENTACHLOROBIPHENYL (114)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	1510	h	1510	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-61/70/74/76	1280	Ch	1280	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-40/71	192	CJh	192	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4'-TETRACHLOROBIPHENYL (42)	168	h	168	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-44/47/65	708	Ch	708	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	22.5	Jh	22.5	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-45/51	57.8	CJh	57.8	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-49/69	624	Ch	624	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4,5-TETRACHLOROBIPHENYL (48)	70	JKh	70	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	PCB-50/53	54	CJh	54	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	1200	h	1200	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',6,6'-TETRACHLOROBIPHENYL (54)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	229	h	229	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',4'-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',5'-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,3',6'-TETRACHLOROBIPHENYL (59)	38.5	CJh	38.5	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,4,4'-TETRACHLOROBIPHENYL (60)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	849	h	849	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,4',5'-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4,5'-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,4',6'-TETRACHLOROBIPHENYL (64)	200	h	200	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',5,5'-TETRACHLOROBIPHENYL (72)	32.5	JKh	32.5	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	2,3',5',6'-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,4'-TETRACHLOROBIPHENYL (77)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4,5'-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,4,4',5'-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',3-TRICHLOROBIPHENYL (16)	41.3	Jh	41.3	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',4-TRICHLOROBIPHENYL (17)	82.3	Jh	82.3	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-18/30	119	CJh	119	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,2',6-TRICHLOROBIPHENYL (19)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-20/28	315	Ch	315	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,4'-TRICHLOROBIPHENYL (22)	56.6	Jh	56.6	J	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-21/33	134	CJh	134	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',4-TRICHLOROBIPHENYL (25)	18.2	Jh	18.2	J	HTP
SIB-SC-L04-10-11-07/27/2022	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	PCB-26/29	34.9	CJKh	34.9	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,3',6-TRICHLOROBIPHENYL (27)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	2,4',5-TRICHLOROBIPHENYL (31)	218	h	218	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SC-L04-10-11-07/27/2022	2,4',6-TRICHLOROBIPHENYL (32)	42.2	Jh	42.2	J	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',4-TRICHLOROBIPHENYL (35)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,3',5-TRICHLOROBIPHENYL (36)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,4,4'-TRICHLOROBIPHENYL (37)	52.3	JKh	52.3	J	HTP,EMPC
SIB-SC-L04-10-11-07/27/2022	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-SC-L04-10-11-07/27/2022	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP
SIB-SC-N00-0-1-08/25/2022	2-CHLOROBIPHENYL (1)	19.8	JK	19.8	J	EMPC
SIB-SC-N00-0-1-08/25/2022	3,3'-DICHLOROBIPHENYL (11)	148	BJK	148	UJ	MBL,EMPC
SIB-SC-N00-0-1-08/25/2022	2,2',6-TRICHLOROBIPHENYL (19)	30.3	J	30.3	U	EBL
SIB-SC-N00-0-1-08/25/2022	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	45.2	JK	45.2	J	EMPC
SIB-SC-N00-0-1-08/25/2022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	126	JK	126	J	EMPC
SIB-SC-N00-0-1-08/25/2022	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	25	JK	25	J	EMPC
SIB-SC-N00-0-1-08/25/2022	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	29.9	JK	29.9	J	EMPC
SIB-SC-N00-0-1-08/25/2022	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	35.1	JK	35.1	J	EMPC
SIB-SC-N00-0-1-08/25/2022	PCB-50/53	86.1	CJK	86.1	J	EMPC
SIB-SC-N00-0-1-08/25/2022	PCB-18/30	122	CJK	122	UJ	EBL,EMPC
SIB-SC-N00-0-1-08/25/2022	2,3,4'-TRICHLOROBIPHENYL (22)	60.2	JK	60.2	J	EMPC
SIB-SC-N00-0-1-08/25/2022	PCB-21/33	81.3	CJK	81.3	J	EMPC
SIB-SC-N00-0-1-08/25/2022	3,4,4'-TRICHLOROBIPHENYL (37)	49.5	JK	49.5	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21688
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.26.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.27.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SED-MG-AAM169-NW-06172	21688001	Stormwater Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank associated with all samples in this SDG was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-20/28	7.84	39.2
PCB-44/47/65	16.7	83.5
PCB-52	18.4	92
PCB-61/70/74/76	19.8	99
PCB-66	10.1	50.5
PCB-86/87/97/109/119/125	13	65
PCB-90/101/113	18.7	93.5
PCB-95	21.4	107
PCB-99	7.84	39.2
PCB-110/115	21.6	108
PCB-118	13.6	68
PCB-129/138/163	13.5	67.5
PCB-135/151	7	35
PCB-147/149	10.1	50.5
PCB-153/168	9.46	47.3

The following results were qualified U-MBL due to contamination in the method blank

- **SIB-SED-MG-AAM169-NW-061723: PCB-20/28, PCB-44/47/65, PCB-66**

Equipment Blanks – No equipment blanks were submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analyses were performed on with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SED-MG-AAM169-NW-061723	3-CHLOROBIPHENYL (2)	21	JK	21	J	EMPC
SIB-SED-MG-AAM169-NW-061723	4-CHLOROBIPHENYL (3)	20.9	JK	20.9	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	23.2	JK	23.2	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	31.3	JK	31.3	J	EMPC
SIB-SED-MG-AAM169-NW-061723	PCB-85/116/117	27.2	CJK	27.2	J	EMPC
SIB-SED-MG-AAM169-NW-061723	PCB-88/91	53.4	CJK	53.4	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	50.6	JK	50.6	J	EMPC
SIB-SED-MG-AAM169-NW-061723	PCB-44/47/65	66.7	BCJ	66.7	U	MBL
SIB-SED-MG-AAM169-NW-061723	PCB-45/51	11.9	CJK	11.9	J	EMPC
SIB-SED-MG-AAM169-NW-061723	PCB-50/53	10.9	CJK	10.9	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,3',4,4'-TETRACHLOROBIPHENYL (66)	49.5	BJK	49.5	UJ	MBL,EMPC
SIB-SED-MG-AAM169-NW-061723	2,2',4-TRICHLOROBIPHENYL (17)	14.2	JK	14.2	J	EMPC
SIB-SED-MG-AAM169-NW-061723	PCB-20/28	38.7	BCJ	38.7	U	MBL
SIB-SED-MG-AAM169-NW-061723	PCB-21/33	17.5	CJK	17.5	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,4',6-TRICHLOROBIPHENYL (32)	9.09	JK	9.09	J	EMPC
SIB-SED-MG-AAM169-NW-061723	3,3',4-TRICHLOROBIPHENYL (35)	15.9	JK	15.9	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21688
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.26.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.27.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-SED-MG-AAM169-NW-06172	21688001	Stormwater Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,4,6,7,8-HpCDD at 0.256 pg/g, leading to a qualification limit of 1.28 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 0.536 pg/g, leading to a qualification limit of 2.68 pg/g
- 1,2,3,4,7,8-HxCDF at 0.138 pg/g, leading to a qualification limit of 0.69 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.186 pg/g, leading to a qualification limit of 0.93 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: None required.

Rinsate Blanks – No rinsate blanks were associated with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analyses were performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ratio outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

***Qualification:* The following results are qualified:**

- **All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.**

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-SED-MG-AAM169-NW-061723	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.796	BJK	0.796	J	EMPC
SIB-SED-MG-AAM169-NW-061723	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.638	JK	0.638	J	EMPC
SIB-SED-MG-AAM169-NW-061723	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.528	JK	0.528	J	EMPC
SIB-SED-MG-AAM169-NW-061723	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.59	JK	1.59	J	EMPC
SIB-SED-MG-AAM169-NW-061723	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.754	JK	0.754	J	EMPC
SIB-SED-MG-AAM169-NW-061723	2,3,7,8-TETRACHLORODIBENZOFURAN	0.554	JK	0.554	J	EMPC

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21705
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.19.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 09.25.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-ILS-AAM169-DRY (COMP 17 22)	21705004	Sediment
SIB-ILS-AAM169-WET (COMP 47 52)	21705010	Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared within their required holding time with the exception of sample SIB-ILS-AAM169-WET (COMP 47 52), which was prepared 92 days beyond its 365 day holding time. All results in this sample should be qualified J/UJ. All samples were analyzed within their required holding times.

***Qualification:* All results in sample SIB-ILS-AAM169-WET (COMP 47 52) are qualified J/UJ, reason code HTP.**

Method Blanks – The method 1668C method blank associated with all samples in this SDG was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-20/28	7.84	39.2
PCB-44/47/65	16.7	83.5
PCB-52	18.4	92
PCB-61/70/74/76	19.8	99
PCB-66	10.1	50.5
PCB-86/87/97/109/119/125	13	65
PCB-90/101/113	18.7	93.5
PCB-95	21.4	107
PCB-99	7.84	39.2
PCB-110/115	21.6	108
PCB-118	13.6	68

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-129/138/163	13.5	67.5
PCB-135/151	7	35
PCB-147/149	10.1	50.5
PCB-153/168	9.46	47.3

All associated detected results are above the associated qualification thresholds and no qualification is required.

Qualification: None required.

Equipment Blanks – No equipment blanks are associated with stormwater sediment samples.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No MS/MSD analyses were performed on with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD “LOD U” format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-DRY (COMP 17 22)	2-CHLOROBIPHENYL (1)	35.7	JK	35.7	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	4-CHLOROBIPHENYL (3)	39.1	JK	39.1	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	60.7	JK	60.7	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	294	JK	294	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	315	JK	315	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	72.3	JK	72.3	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	353	K	353	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	136	JK	136	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2',3,4,4',5-PENTACHLOROBIPHENYL (123)	56.1	JK	56.1	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3,6'-TETRACHLOROBIPHENYL (46)	54.5	JK	54.5	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',4,5-TETRACHLOROBIPHENYL (48)	122	JK	122	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,3,3',6-TETRACHLOROBIPHENYL (59)	73	CJK	73	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',3-TRICHLOROBIPHENYL (16)	106	JK	106	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,2',6-TRICHLOROBIPHENYL (19)	61.7	JK	61.7	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,3',4-TRICHLOROBIPHENYL (25)	29.2	JK	29.2	J	EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,3-DICHLOROBIPHENYL (5)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2-CHLOROBIPHENYL (1)	19.8	Jh	19.8	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	4,4'-DICHLOROBIPHENYL (15)	137	Jh	137	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3-CHLOROBIPHENYL (2)	38.4	Jh	38.4	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	4-CHLOROBIPHENYL (3)	46.4	Jh	46.4	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL (209)	176	Jh	176	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2'-DICHLOROBIPHENYL (4)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3'-DICHLOROBIPHENYL (6)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,4'-DICHLOROBIPHENYL (8)	84.2	Jh	84.2	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,4-DICHLOROBIPHENYL (7)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,5-DICHLOROBIPHENYL (9)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	2,6-DICHLOROBIPHENYL (10)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3'-DICHLOROBIPHENYL (11)	2960	h	2960	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-12/13		CUh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,5-DICHLOROBIPHENYL (14)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	683	h	683	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-171/173	237	CJh	237	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	121	Jh	121	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	838	h	838	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	513	h	513	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (175)	43.3	Jh	43.3	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (176)	117	Jh	117	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	242	Jh	242	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	439	h	439	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-180/193	1590	Ch	1590	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (181)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-183/185	542	Ch	542	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (184)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	1180	h	1180	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (186)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (188)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (189)	30.2	JKh	30.2	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	144	Jh	144	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (191)	27	Jh	27	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (192)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-128/166	461	CJh	461	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	212	Jh	212	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-129/138/163	3070	Ch	3070	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (132)	1010	h	1010	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)		Uh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-135/151	1220	Ch	1220	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5,6-HEXACHLOROBIPHENYL (134)	188	Jh	188	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	477	h	477	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',5-HEXACHLOROBIPHENYL (137)	143	Jh	143	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-139/140		CUh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (141)	451	h	451	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (146)	464	h	464	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (143)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,5,6-HEXACHLOROBIPHENYL (142)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	146	Jh	146	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (148)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-147/149	2570	Ch	2570	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (145)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (150)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (152)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-153/168	2040	Ch	2040	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	49.1	Jh	49.1	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (155)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-156/157	346	CJKh	346	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4',6-HEXACHLOROBIPHENYL (158)	261	h	261	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (159)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (162)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,5,6-HEXACHLOROBIPHENYL (160)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,5',6-HEXACHLOROBIPHENYL (161)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	207	Jh	207	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',5,5',6-HEXACHLOROBIPHENYL (165)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (169)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (206)	522	h	522	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (207)	69.5	Jh	69.5	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	201	Jh	201	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	415	h	415	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	221	Jh	221	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	163	Jh	163	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-197/200	89	CJh	89	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-198/199	681	Ch	681	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	65.1	Jh	65.1	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	151	Jh	151	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	411	h	411	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (204)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (205)	29	Jh	29	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	131	Jh	131	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',4-PENTACHLOROBIPHENYL (82)	228	Jh	228	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	118	Jh	118	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	390	h	390	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-85/116/117	282	CJh	282	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-86/87/97/109/119/125	1110	CJh	1110	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-90/101/113	1610	Ch	1610	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4,6'-PENTACHLOROBIPHENYL (89)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-88/91	279	CJh	279	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-98/102		CUh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,5,5'-PENTACHLOROBIPHENYL (92)	391	h	391	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,5,6'-PENTACHLOROBIPHENYL (94)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-93/100		CUh		UJ	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	1630	h	1630	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,6,6'-PENTACHLOROBIPHENYL (96)	18.8	Jh	18.8	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	730	h	730	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,5',6-PENTACHLOROBIPHENYL (103)	50.4	Jh	50.4	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,6,6'-PENTACHLOROBIPHENYL (104)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	784	h	784	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-108/124	81	CJh	81	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4,5-PENTACHLOROBIPHENYL (106)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2',3,3',4,5-PENTACHLOROBIPHENYL (122)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4',5-PENTACHLOROBIPHENYL (107)	110	Jh	110	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-110/115	2270	Ch	2270	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',5,5'-PENTACHLOROBIPHENYL (111)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',5,6-PENTACHLOROBIPHENYL (112)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4,4',5-PENTACHLOROBIPHENYL (114)	39.2	Jh	39.2	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2',3,4,4',5-PENTACHLOROBIPHENYL (123)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	1750	h	1750	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,5,5'-PENTACHLOROBIPHENYL (120)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,5',6-PENTACHLOROBIPHENYL (121)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,4',5-PENTACHLOROBIPHENYL (126)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,5,5'-PENTACHLOROBIPHENYL (127)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-61/70/74/76	1130	Ch	1130	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-40/71	285	CJh	285	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4'-TETRACHLOROBIPHENYL (42)	135	Jh	135	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,4-TETRACHLOROBIPHENYL (41)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-44/47/65	714	CJh	714	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,5-TETRACHLOROBIPHENYL (43)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3,6'-TETRACHLOROBIPHENYL (46)	42.4	Jh	42.4	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-45/51	129	CJh	129	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-49/69	442	CJh	442	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4,5-TETRACHLOROBIPHENYL (48)	101	Jh	101	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-50/53	96.6	CJh	96.6	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',5,5'-TETRACHLOROBIPHENYL (52)	1040	h	1040	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',6,6'-TETRACHLOROBIPHENYL (54)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4'-TETRACHLOROBIPHENYL (56)	300	h	300	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',4'-TETRACHLOROBIPHENYL (55)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',5'-TETRACHLOROBIPHENYL (58)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',5'-TETRACHLOROBIPHENYL (57)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,3',6'-TETRACHLOROBIPHENYL (59)	63	CJh	63	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4,4'-TETRACHLOROBIPHENYL (60)	138	Jh	138	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,4'-TETRACHLOROBIPHENYL (66)	549	h	549	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4',5'-TETRACHLOROBIPHENYL (63)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,5'-TETRACHLOROBIPHENYL (68)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4,5'-TETRACHLOROBIPHENYL (67)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4',6'-TETRACHLOROBIPHENYL (64)	233	Jh	233	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',5,5'-TETRACHLOROBIPHENYL (72)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',5',6'-TETRACHLOROBIPHENYL (73)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,4'-TETRACHLOROBIPHENYL (77)	137	Jh	137	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,5'-TETRACHLOROBIPHENYL (79)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4,5'-TETRACHLOROBIPHENYL (78)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',5,5'-TETRACHLOROBIPHENYL (80)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,4,4',5'-TETRACHLOROBIPHENYL (81)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',3-TRICHLOROBIPHENYL (16)	92.9	JKh	92.9	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',4-TRICHLOROBIPHENYL (17)	132	Jh	132	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-18/30	288	CJh	288	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,2',6-TRICHLOROBIPHENYL (19)	45.4	Jh	45.4	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-20/28	331	CJh	331	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4'-TRICHLOROBIPHENYL (22)	112	Jh	112	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-21/33	152	CJh	152	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',4-TRICHLOROBIPHENYL (25)	25.6	JKh	25.6	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,5-TRICHLOROBIPHENYL (23)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2',3,5-TRICHLOROBIPHENYL (34)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	PCB-26/29	71.1	CJh	71.1	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,6-TRICHLOROBIPHENYL (24)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3',6-TRICHLOROBIPHENYL (27)	27.4	JKh	27.4	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,4',5-TRICHLOROBIPHENYL (31)	233	Jh	233	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,4',6-TRICHLOROBIPHENYL (32)	68.8	Jh	68.8	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',4-TRICHLOROBIPHENYL (35)	101	Jh	101	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,3',5-TRICHLOROBIPHENYL (36)	26.6	Jh	26.6	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,4,4'-TRICHLOROBIPHENYL (37)	178	Jh	178	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,4,5-TRICHLOROBIPHENYL (38)		Uh		UJ	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	3,4',5-TRICHLOROBIPHENYL (39)		Uh		UJ	HTP

High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCCDs/PCDFs (EPA Method 1613B)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21705
Laboratory: CFA	Project #: DT2002.03.03.01.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 09.19.23
HGL Peer Reviewer: Ken Rapuano	Peer Review Date: 9.25.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-ILS-AAQ005-DRY (COMP 6 7)	21705001	Stormwater Sediment
SIB-ILS-AND479-DRY (COMP 9 10)	21705002	Stormwater Sediment
SIB-ILS-AAP957-DRY (COMP 12 15)	21705003	Stormwater Sediment
SIB-ILS-AAM169-DRY (COMP 17 22)	21705004	Stormwater Sediment
SIB-ILS-AAM104-DRY (COMP 24 29)	21705005	Stormwater Sediment
SIB-ILS-AAM131-WET (COMP 31 34)	21705006	Stormwater Sediment
SIB-ILS-AAQ005-WET (COMP 36 37)	21705007	Stormwater Sediment
SIB-ILS-AND479-WET (COMP 39 40)	21705008	Stormwater Sediment
SIB-ILS-AAP957-WET (COMP 42 45)	21705009	Stormwater Sediment
SIB-ILS-AAM169-WET (COMP 47 52)	21705010	Stormwater Sediment
SIB-ILS-AAM104-WET (COMP 54 59)	21705011	Stormwater Sediment

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved. No other discrepancies were noted.

Qualification: None required.

Holding Times – All samples were prepared within their required holding time with the exception of samples SIB-ILS-AAM131-WET (COMP 31 34), SIB-ILS-AAQ005-WET (COMP 36 37), SIB-ILS-AND479-WET (COMP 39 40), SIB-ILS-AAP957-WET (COMP 42 45), SIB-ILS-AAM169-WET (COMP 47 52), and SIB-ILS-AAM104-WET (COMP 54 59), which were prepared 90 days beyond their 365 day holding time. All results in these samples should be qualified J/UJ. All samples were analyzed within their required holding times.

***Qualification:* All results in samples SIB-ILS-AAM131-WET (COMP 31 34) , SIB-ILS-AAQ005-WET (COMP 36 37) , SIB-ILS-AND479-WET (COMP 39 40) , SIB-ILS-AAP957-WET (COMP 42 45) , SIB-ILS-AAM169-WET (COMP 47 52) , and SIB-ILS-AAM104-WET (COMP 54 59) are qualified J/UJ, reason code HTP.**

Method Blanks – The method 1613B method bank was contaminated with target analytes including the following:

- 1,2,3,7,8-PeCDD at 0.172 pg/g, leading to a qualification limit of 0.86 pg/g
- 1,2,3,7,8,9-HxCDD at 0.126 pg/g, leading to a qualification limit of 0.63 pg/g
- 1,2,3,4,6,7,8-HpCDD at 0.32 pg/g, leading to a qualification limit of 1.6 pg/g
- 1,2,3,4,6,7,8,9-OCDD at 3.72 pg/g, leading to a qualification limit of 18.6 pg/g
- 1,2,3,4,7,8-HxCDF at 0.13 pg/g, leading to a qualification limit of 0.65 pg/g
- 1,2,3,6,7,8-HxCDF at 0.104 pg/g, leading to a qualification limit of 0.52 pg/g
- 2,3,4,6,7,8-HxCDF at 0.106 pg/g, leading to a qualification limit of 0.53 pg/g
- 1,2,3,4,6,7,8-HpCDF at 0.198 pg/g, leading to a qualification limit of 0.99 pg/g
- 1,2,3,4,7,8,9-HpCDF at 0.09 pg/g, leading to a qualification limit of 0.45 pg/g
- 1,2,3,4,6,7,8,9-OCDF at 0.278 pg/g, leading to a qualification limit of 1.39 pg/g

Detections in associated samples less than or equal to the qualification limits should be qualified U-MBL.

Qualification: The following results were qualified U-MBL; the detect_flag for the affected results is changed from Y to N.

- The 1,2,3,7,8-PeCDD result in sample SIB-ILS-AAQ005-WET (COMP 36 37)

Rinsate Blanks – No rinse blanks are associated with stormwater sediment samples.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (labeled standards) were within control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was performed using sample SIB-ILS-AAQ005-DRY (COMP 6 7). All %Rs were within QAPP control limits in the MS/MSD with the exception of 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, and 1,2,3,4,6,7,8,9-OCDF, which all recovered below control limits in the MS and/or MSD. For 1,2,3,4,6,7,8,9-OCDD, the sample concentration was >4x the spike concentration and the %R results are not applicable. The MS/MSD %Rs for OCDF are considered to be extremely low. The results for 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,6,7,8,9-OCDF in the parent sample should be qualified J. All RPDs were within QAPP control limits.

Qualification: In sample SIB-ILS-AAQ005-DRY (COMP 6 7), the 1,2,3,4,6,7,8-HpCDD result is qualified J, reason code MSL, and 1,2,3,4,6,7,8,9-OCDF results are qualified J, reason code MSLX.

Field Duplicate – No field duplicate was submitted with this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as the EDL and qualified U. Analytes detected between the EDL and PQL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC (a “K” flag is present in the laboratory qualifier) are qualified J-EMPC unless superseded by a higher priority qualifier.

2,3,7,8-TCDF is not fully resolved on the DB-5MS column; when detected above the PQL on the DB-5MS column, the result was confirmed on a DB-225 column using the instrument ID listed in the case narrative. In cases where two results are reported for 2,3,7,8-TCDF for a sample, the result from the DB-225 column is selected for use and the result from the DB-5MS is qualified DNR-EXC.

In cases where a target analyte is detected at a concentration above the calibrated range, the laboratory's practice is to report the result with a laboratory qualifier of E without running a dilution so long as the detector is not saturated. The OCDD results for 2 affected samples are qualified J-ACR.

Qualification: The following results are qualified:

- All results reported with a laboratory qualifier of K are qualified J with reason code EMPC.
- All 2,3,7,8-TCDF results reported from the DB-5MS column that are paired with a 2,3,7,8-TCDF result from the DB-225 column are qualified DNR, reason code EXC; note that the reportable_result field for these results are populated with "Yes" by the laboratory and are changed to "No" for the affected results.
- Two OCDD results reported with a laboratory qualifier of E are qualified J with reason code ACR; note that the reportable_result field for these results are populated with "No" by the laboratory and are changed to "Yes" for the affected results.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAQ005-DRY (COMP 6 7)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	122	--	122	J	MSL
SIB-ILS-AAQ005-DRY (COMP 6 7)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.442	JK	0.442	J	EMPC
SIB-ILS-AAQ005-DRY (COMP 6 7)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.817	JK	0.817	J	EMPC
SIB-ILS-AAQ005-DRY (COMP 6 7)	2,3,7,8-TETRACHLORODIBENZOFURAN	0.494	JK	0.494	J	EMPC
SIB-ILS-AAQ005-DRY (COMP 6 7)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.184	JK	0.184	J	EMPC
SIB-ILS-AAQ005-DRY (COMP 6 7)	OCTACHLORODIBENZOFURAN	192	--	192	J	MSLX
SIB-ILS-AND479-DRY (COMP 9 10)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.84	K	2.84	J	EMPC
SIB-ILS-AND479-DRY (COMP 9 10)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.42	--	1.42	DNR	EXC
SIB-ILS-AAP957-DRY (COMP 12 15)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	7	K	7	J	EMPC
SIB-ILS-AAP957-DRY (COMP 12 15)	2,3,7,8-TETRACHLORODIBENZOFURAN	3.02	K	3.02	DNR	EXC
SIB-ILS-AAP957-DRY (COMP 12 15)	2,3,7,8-TETRACHLORODIBENZOFURAN	2.38	K	2.38	J	EMPC
SIB-ILS-AAP957-DRY (COMP 12 15)	OCTACHLORODIBENZO-P-DIOXIN	9440	E	9440	J	ACR
SIB-ILS-AAM169-DRY (COMP 17 22)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.96	K	3.96	J	EMPC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.51	--	1.51	DNR	EXC
SIB-ILS-AAM169-DRY (COMP 17 22)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.73	K	1.73	J	EMPC
SIB-ILS-AAM104-DRY (COMP 24 29)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.85	--	1.85	DNR	EXC
SIB-ILS-AAM104-DRY (COMP 24 29)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.93	K	1.93	J	EMPC
SIB-ILS-AAM104-DRY (COMP 24 29)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.662	K	0.662	J	EMPC
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	171	h	171	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	694	h	694	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	11.8	h	11.8	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	15.5	h	15.5	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	10.8	h	10.8	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.43	h	9.43	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	28.4	h	28.4	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.64	Jh	3.64	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19.3	h	19.3	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.77	Jh	3.77	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	7.58	Kh	7.58	J	HTP,EMPC
SIB-ILS-AAM131-WET (COMP 31 34)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	14.9	h	14.9	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	12	h	12	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	2,3,7,8-TETRACHLORODIBENZOFURAN	3.58	h	3.58	DNR	EXC
SIB-ILS-AAM131-WET (COMP 31 34)	2,3,7,8-TETRACHLORODIBENZOFURAN	4.06	h	4.06	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.29	Kh	1.29	J	HTP,EMPC
SIB-ILS-AAM131-WET (COMP 31 34)	OCTACHLORODIBENZOFURAN	332	h	332	J	HTP
SIB-ILS-AAM131-WET (COMP 31 34)	OCTACHLORODIBENZO-P-DIOXIN	4890	Eh	4890	J	HTP,ACR

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	17.5	h	17.5	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	64.9	h	64.9	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.01	Jh	1.01	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.1	BJKh	1.1	J	HTP,EMPC
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.55	Jh	1.55	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.9	BJh	0.9	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.05	Jh	3.05	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.282	Jh	0.282	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.88	Jh	2.88	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.352	JKh	0.352	J	HTP,EMPC
SIB-ILS-AAQ005-WET (COMP 36 37)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.854	BJh	0.854	UJ	HTP,MBL
SIB-ILS-AAQ005-WET (COMP 36 37)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.09	Jh	1.09	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.673	JKh	0.673	J	HTP,EMPC
SIB-ILS-AAQ005-WET (COMP 36 37)	2,3,7,8-TETRACHLORODIBENZOFURAN	0.419	Jh	0.419	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	--	Uh	--	UJ	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	OCTACHLORODIBENZOFURAN	34.3	h	34.3	J	HTP
SIB-ILS-AAQ005-WET (COMP 36 37)	OCTACHLORODIBENZO-P-DIOXIN	343	h	343	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	114	h	114	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	250	h	250	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7.62	h	7.62	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.49	h	5.49	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.56	Jh	3.56	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.82	Jh	3.82	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	9.65	h	9.65	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.15	Jh	1.15	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	7.14	h	7.14	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.67	Jh	1.67	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.32	JKh	2.32	J	HTP,EMPC
SIB-ILS-AND479-WET (COMP 39 40)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	5.03	h	5.03	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.35	Jh	2.35	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.34	h	1.34	DNR	EXC
SIB-ILS-AND479-WET (COMP 39 40)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.22	Kh	1.22	J	HTP,EMPC
SIB-ILS-AND479-WET (COMP 39 40)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.502	h	0.502	J	HTP
SIB-ILS-AND479-WET (COMP 39 40)	OCTACHLORODIBENZOFURAN	276	h	276	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AND479-WET (COMP 39 40)	OCTACHLORODIBENZO-P-DIOXIN	2010	h	2010	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	197	h	197	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	448	h	448	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	17	h	17	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	45.7	h	45.7	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.11	h	7.11	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	10.3	h	10.3	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	19.4	h	19.4	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	6.57	h	6.57	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11.6	h	11.6	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2.5	Jh	2.5	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.37	h	5.37	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	12.9	h	12.9	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	8.49	h	8.49	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.44	Kh	1.44	J	HTP,EMPC
SIB-ILS-AAP957-WET (COMP 42 45)	2,3,7,8-TETRACHLORODIBENZOFURAN	1.12	Kh	1.12	DNR	EXC
SIB-ILS-AAP957-WET (COMP 42 45)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.78	h	0.78	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAP957-WET (COMP 42 45)	OCTACHLORODIBENZOFURAN	226	h	226	J	HTP
SIB-ILS-AAP957-WET (COMP 42 45)	OCTACHLORODIBENZO-P-DIOXIN	4020	h	4020	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	89	h	89	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	300	h	300	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.18	Jh	4.18	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	4.46	Jh	4.46	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.52	h	6.52	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.53	Jh	3.53	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12.9	h	12.9	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	1.23	Jh	1.23	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	12.1	h	12.1	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.79	Jh	1.79	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.31	Kh	3.31	J	HTP,EMPC
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.18	Jh	4.18	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.12	Jh	2.12	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,7,8-TETRACHLORODIBENZOFURAN	0.764	Jh	0.764	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.471	Jh	0.471	J	HTP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM169-WET (COMP 47 52)	OCTACHLORODIBENZOFURAN	193	h	193	J	HTP
SIB-ILS-AAM169-WET (COMP 47 52)	OCTACHLORODIBENZO-P-DIOXIN	1760	h	1760	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	37.5	h	37.5	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	98.2	h	98.2	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.9	Jh	1.9	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.02	Jh	2.02	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.02	Jh	2.02	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.86	Jh	1.86	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.51	Jh	4.51	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.451	JKh	0.451	J	HTP,EMPC
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.9	Jh	3.9	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	--	Uh	--	UJ	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.01	BJh	1.01	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.26	Jh	2.26	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.03	Jh	1.03	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	2,3,7,8-TETRACHLORODIBENZOFURAN	0.982	JKh	0.982	J	HTP,EMPC
SIB-ILS-AAM104-WET (COMP 54 59)	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.257	JKh	0.257	J	HTP,EMPC

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-ILS-AAM104-WET (COMP 54 59)	OCTACHLORODIBENZOFURAN	79.3	h	79.3	J	HTP
SIB-ILS-AAM104-WET (COMP 54 59)	OCTACHLORODIBENZO-P-DIOXIN	652	h	652	J	HTP

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	19980
HGL Reviewer	Ken Rapuano 2/15/2023
QC Review	Deanna Valdebenito 3/1/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV report indicated that the 2,3,4,7,8-PeCDF result for sample SIB-SC-D22-4-5-07/06/2022 was qualified U, reason code MBL. This sample was prepared in batch 50409 and the method blank for that batch did not show contamination for that analyte. **The qualifier for the 2,3,4,7,8-PeCDF result for sample SIB-SC-D22-4-5-07/06/2022 should be J (detection <PQL) with no reason code.**
2. The DV report did not list that the 1,2,3,7,8-PeCDD result for sample SIB-C33-2-3-07072022 should be qualified U-MBL in the table in the report text; however, this qualifier was correctly applied in the master qualification table (Appendix B) and in the EDD. No additional qualification is required.

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Thirteen results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 21 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP750_2 or HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-D22-4-5-07/06/2022	2,3,4,7,8-PeCDF	0.921	U	--	J	--
21 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"		
SIB-SC-D23-1-2-07/06/2022	OCDD	10900	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-D23-3-4-07/06/2022	OCDD	3940	J			
SIB-SC-D23-5-6-07/06/2022	OCDD	4540	J			
SIB-SC-D22-2-3-07/06/2022	OCDD	6540	J			
SIB-SC-E26-1-2-07/06/2022	OCDD	4700	J			
SIB-SC-E26-2-3-07/06/2022	OCDD	9710	J			
SIB-SC-C23-1-2-07/06/2022	OCDD	4750	J			
SIB-SC-C23-4-5-07/06/2022	Total HpCDD	2110	J			
	OCDD	15500	J			
SIB-SC-C23-5-6-07/06/2022	OCDD	7640	J			
SIB-SC-C33-1-2-07/07/2022	OCDD	6960	J			
SIB-SC-C33-3-4-07/07/2022	OCDD	10800	J			
SIB-SC-C33-5-6-07/07/2022	OCDD	10400	J			
SIB-SC-D33-4-5-07/07/2022	OCDD	5590	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20005
HGL Reviewer	Ken Rapuano 8/21/2023
HGL QC Check by	Justin Hersh 8/22/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

The HGL reviewer made several updates to the upload file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples).
- Changing the reportable_result from No to Yes for results reported with a lab_qualifiers of E (8x OCDD results).

Dioxins/Furans – E1613B

Method Blank: The validator applied U-MBL to four 1,2,3,4,6,7,8-HpCDF results that were reported as EMPCs. The HGL reviewer applied a final qualifier of UJ-MBL,EMPC to the 1,2,3,4,6,7,8-HpCDF for samples SIB-SC-B35-3-4-07/07/2022, SIB-SC-B35-4-5-07/07/2022, FD-03-07/07/2022, and SIB-SC-B35-5-6-07/07/2022. The validator did not change the detect_flag field from Y to N for all 9 results qualified U due to method blank contamination. The HGL reviewer changed the detect_flag field to N for these 9 results.

Result Reporting: The validator incorrectly applied DNR-EXC to the 2,3,7,8-TCDF result for sample SIB-SC-C34-1-2-07/07/2022 reported from the DB-5MS column (instrument HRP763_1) instead of from the confirmation DB-225 column (instrument HRP757_3). The HGL reviewer moved the qualification and reason code to the correct result.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B35-3-4-07/07/2022	1,2,3,4,6,7,8-HpCDF	0.226	U	UJ	UJ	MBL,EMPC
SIB-SC-B35-4-5-07/07/2022	1,2,3,4,6,7,8-HpCDF	0.291	U	UJ	UJ	MBL,EMPC
FD-03-07/07/2022	1,2,3,4,6,7,8-HpCDF	0.202	U	UJ	UJ	MBL,EMPC
SIB-SC-B35-5-6-07/07/2022	1,2,3,4,6,7,8-HpCDF	0.313	U	UJ	UJ	MBL,EMPC

Other updates:

- Changed “detect_flag” field from Y to N for 9 results qualified U due to method blank contamination
- Changed “reportable_result” from No to Yes for 8 OCDD results reported from above the calibrated range
- 2,3,7,8-TCDF results reported for sample SIB-SC-C34-1-2-07/07/2022
 - Changed “reportable_result” from No to Yes for the result reported from the DB-225 column (instrument_id = HRP757_3)
 - Changed “reportable_result” from Yes to No for the result reported from the DB-5MS column (instrument_id = HRP763_1)
- Added an interpreted qualified that corresponded to a reported laboratory qualifier of J or U for QC sample results

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20006
HGL Reviewer	Ken Rapuano 2/16/2023
QC Review	Deanna Valdebenito 3/1/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Eleven results for OCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 17 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
17 Samples	2,3,7,8-TCDF	varies	DNR			Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"
SIB-SC-E34-1-2-07082022	OCDD	6060	J			Change "reportable_result" from "No" to "Yes"
SIB-SC-E34-3-4-07082022	OCDD	7960	J			
SIB-SC-E34-4-5-07082022	OCDD	8660	J			
SIB-SC-E34-5-6-07082022	OCDD	10200	J			
SIB-SC-E36-4-5-07082022	OCDD	5200	J			
SIB-SC-E36-5-6-07082022	OCDD	4450	J			
SIB-SC-D36-5-6-07082022	OCDD	6050	J			
SIB-SC-F32-1-2-07082022	OCDD	7180	J			
SIB-SC-F31-3-4-07082022	OCDD	5840	J			
SIB-SC-F31-4-5-07082022	OCDD	7710	J			
SIB-SC-F31-5-6-07082022	OCDD	12400	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20007
HGL Reviewer	Ken Rapuano 2/21/2023
QC Review	Deanna Valdebenito 3/1/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Twelve results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 15 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
15 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No"	Change "detected" from "N" to "Y"	
SIB-SC-E31-1-2-07/09/2022	OCDD	8750	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-E31-2-3-07092022	1,2,3,4,6,7,8-HpCDD	2320	J			
	OCDD	16800	J			
SIB-SC-E31-3-4-07092022	OCDD	4160	J			
SIB-SC-E31-4-5-07092022	OCDD	6960	J			
SIB-SC-E31-5-6-07092022	OCDD	11700	J			
SIB-SC-E32-4-5-07092022	OCDD	9230	J			
SIB-SC-D30-2-3-07092022	OCDD	5660	J			
SIB-SC-D30-3-4-07092022	OCDD	9150	J			
SIB-SC-D30-4-5-07092022	OCDD	4850	J			
SIB-SC-D31-2-3-07092022	OCDD	5500	J			
SIB-SC-D31-3-4-07092022	OCDD	6990	J			
SIB-SC-D31-4-5-07092022	OCDD	7430	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20008
HGL Reviewer	Deanna Valdebenito 3/9/2023
HGL Senior Review	Ken Rapuano 3/17/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Ten results for OCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 16 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP750_2).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
16 Samples	2,3,7,8-TCDF	varies	DNR			Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"
SIB-SC-C30-4-5-07/09/2022	OCDD	5310	J			Change "reportable_result" from "No" to "Yes"
SIB-SC-C30-5-6-07/09/2022	OCDD	8200	J			
SIB-SC-C28-0-1-07/09/2022	OCDD	8010	J			
SIB-SC-C28-2-3-07/09/2022	OCDD	5080	J			
SIB-SC-C28-3-4-07/09/2022	OCDD	6760	J			
SIB-SC-C28-4-5-07/09/2022	OCDD	8940	J			
SIB-SC-E29-2-3-07/10/2022	OCDD	8250	J			
SIB-SC-E29-3-4-07/10/2022	OCDD	11400	J			
SIB-SC-E29-5-6-07/10/2022	OCDD	5390	J			
SIB-SC-E28-1-2-07/10/2022	OCDD	12500	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20009
HGL Reviewer	Ken Rapuano 2/21/2023
QC Review	Deanna Valdebenito 3/1/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Field Duplicate: The DV report incorrectly indicates that sample FD-08-07/10/2022 is a field duplicate of sample SIB-SC-B31-2-3-07/10/2022; the correct parent sample ID is SIB-SC-B31-1-2-07102022. The HGL reviewer evaluated the correct sample pair for field duplicate precision performance. Precision criteria were not met for 1,2,3,4,6,7,8-HpCDD or for OCDD. **The 1,2,3,4,6,7,8-HpCDD results for samples SIB-SC-B31-1-2-07102022 and FD-08-07/10/2022 should be qualified J-FDPA; the OCDD results for samples SIB-SC-B31-1-2-07102022 and FD-08-07/10/2022 should be qualified J-FDPR.**

Reported Results: The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for the 2,3,7,8-TCDF result for sample SIB-SC-F27-1-2-07/10/2022 reported from the DB-5MS column (the analysis reported from instrument HRP750_2).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B31-1-2-07102022	1,2,3,4,6,7,8-HpCDD	156	--	J	J	FDPA
	OCDD	223	--	J	J	PDPR
FD-08-07/10/2022	1,2,3,4,6,7,8-HpCDD	159	--	J	J	FDPA
	OCDD	19.6	--	J	J	FDPR
SIB-SC-F27-1-2-07/10/2022	2,3,7,8-TCDF	1.23	DNR	Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20024
HGL Reviewer	Ken Rapuano 7/27/2023
HGL QC Review	Justin Hersh 8/18/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- For results that do not require validation (QC samples, labeled standards, total PCBs), the HGL reviewer copied the “lab_qualifiers” field into the “interpreted_qualifiers” field.
- Ensuring that the validated_yn field was populated with Y for all rows.

PCB Congeners – 1668C

Sample Delivery and Condition: The DV report qualified all results for sample SIB-SC-C34-4-5-07/07/2022 J (detects) or UJ (non-detects), with reason code DAM; however, this is not discussed in the DV report. The HGL reviewer confirmed that both sample jars for this sample arrived cracked and concurs with the qualification assigned by the validators.

MS/MSD: The validator correctly applied qualifiers and reason codes to the PCB-206, PCB-208, and PCB-209 results reported for sample FD-02-07/07/2022; this sample is a field duplicate of sample SIB-SC-C34-4-5-07/07/2022 and in the judgment of the HGL reviewer, the MS/MSD results are applicable to the parent sample as well as to the field duplicate. The PCB-206, PCB-208, and PCB-209 results for sample SIB-SC-C34-4-5-07/07/2022 are qualified J-MSP, J-MSP, and J-MSH,MSP, respectively.

Equipment Blanks: PCB contamination reported in equipment blanks as pg/L can be interpreted as the equivalent of a soil concentration in pg/g due to the 1000:1 mass workup factor between water and soil samples.

Rinse blank EB01-07122022 was submitted separately from the associated field samples; results for this EB were reported in CFA SDG 20047. The DV report states that while some PCB congeners were detected in this EB, no qualification was performed. The HGL reviewer confirmed that all PCB congeners detected in the EB were attributable to aqueous sample preparation and that no qualification was required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-C34-4-5-07/07/2022	PCB-206	13.5	--	J	J	MSP
	PCB-208	8.25	--	J	J	MSP
	PCB-209	6.63	--	J	J	MSH,MSP
Varies	Varies	Varies	Varies	No change to qualifier; changed reason code from VJ to EMPC		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20067
HGL Reviewer	Deanna Valdebenito 4/3/2023
HGL Senior Review	Ken Rapuano 4/5/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

- Two results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
- The laboratory reanalyzed 2,3,7,8-TCDF results on the DB5 CG column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 8 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP750_2 or HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
8 Samples	2,3,7,8-TCDF	varies	DNR			Change “reportable_result” from “Yes” to “No” Change “detected” from “N” to “Y”
SIB-SC-F08-1-2-07142022	OCDD	11500	J			Change “reportable_result” from “No” to “Yes”
	Total HpCDD	2040	J			
SIB-SC-G07-2-3-07142022	OCDD	4100	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20068
HGL Reviewer	Deanna Valdebenito 3/7/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. Rinse blank EB03-07/20/2022 is the EB associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20074. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Three results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 8 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP750_2 or HRP757_2).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
8 Samples	2,3,7,8-TCDF	varies	DNR			Change “reportable_result” from “Yes” to “No” Change “detected” from “N” to “Y”
SIB-SC-D19-3-4-07/19/2022	OCDD	6320	J			Change “reportable_result” from “No” to “Yes”
SIB-SC-D19-5-6-07/19/2022	OCDD	10600	J			
SIB-SC-D18-0-1-07/19/2022	Total HpCDD	2330	J			
	OCDD	12600	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20069
HGL Reviewer	Ken Rapuano 8/22/2023
HGL QC Review	Justin Hersh 8/22/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- For results that do not require validation (QC samples, labeled standards, total PCBs), the HGL reviewer copied the “lab_qualifiers” field into the “interpreted_qualifiers” field.
- Ensuring that the validated_yn field was populated with Y for all rows.

PCB Congeners – 1668C

Additional Qualification: The validator did not add a U or J qualifier to the interpreted_qualifiers field if the result did not receive a validation_qualifiers. The HGL reviewer applied a J or U qualifier to the interpreted_qualifiers field for all results with a lab_qualifiers of J or U, respectively, and did not receive an additional qualifier for QC discrepancies.

Equipment Blanks: PCB contamination reported in equipment blanks as pg/L can be interpreted as the equivalent of a soil concentration in pg/g due to the 1000:1 mass workup factor between water and soil samples.

Rinse blanks EB02-07132022 and EB03-07202022 were submitted separately from the associated field samples; results for these EBs were reported in CFA SDGs 20047 and 20081, respectively. The DV report states that while some PCB congeners were detected in EB02-07132022, no qualification was performed. The DV report incorrectly states that no PCB congeners were detected in EB03-07202022.

EB02-07132022 was contaminated with the following PCB congeners:

- PCB-95 at 4.93 pg/L, leading to a soil qualification level of 24.65 pg/g
- PCB-118 at 7.37 pg/L, leading to a soil qualification level of 36.85 pg/g
- PCB-153/168 at 7.30 pg/L, leading to a soil qualification level of 36.5 pg/g
- Several other PCB congeners that were also detected in the preparation blank and were considered artifacts of the aqueous sample preparation process and not used for qualification of results

All results for PCB-95, PCB-118, and PCB-153/168 were detections >> the qualification level in the samples collected on 7/14/23 and no qualification was applied.

EB03-072022 was contaminated with the following PCB congeners:

- PCB-1 at 8.25 pg/L, leading to a soil qualification level of 41.25 pg/g
- PCB-3 at 5.21 pg/L, leading to a soil qualification level of 26.05 pg/g
- PCB-8 at 16.7 pg/L, leading to a soil qualification level of 83.5 pg/g
- PCB-18/30 at 11.1 pg/L, leading to a soil qualification level of 55.5 pg/g
- PCB-21/33 at 6.53 pg/L, leading to a soil qualification level of 32.65 pg/g
- PCB-31 at 9.52 pg/L, leading to a soil qualification level of 47.6 pg/g
- PCB-90 at 10.2 pg/L, leading to a soil qualification level of 51.0 pg/g
- PCB-95 at 7.95 pg/L, leading to a soil qualification level of 39.75 pg/g
- PCB-110/115 at 9.66 pg/L, leading to a soil qualification level of 48.3 pg/g
- PCB-118 at 7.14 pg/L, leading to a soil qualification level of 35.7 pg/g
- Several other PCB congeners that were also detected in the preparation blank and were considered artifacts of the aqueous sample preparation process and not used for qualification of results

All results for PCB congeners detected in EB03-072022 were detections >> the qualification level in the samples collected on 7/19/23 and no qualification was applied.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
All	All results with lab_qualifiers like J and no validated_qualifiers	Varies	--	--	J	--
All	All results with lab_qualifiers like U and no validated_qualifiers	Varies	--	--	U	--
Varies	Varies	Varies	Varies	No change to qualifier; changed reason code from VJ to EMPC		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20075
HGL Reviewer	Deanna Valdebenito 3/10/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. Rinse blank EB03-07/20/2022 is the EB associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20074. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Nine results for OCDD and three results for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 11 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Final Result	Modified Final Qualifier	Modified Final Reason Code
11 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No"		Change "detected" from "N" to "Y"
SIB-SC-F25-2-3-07/20/2022	OCDD	4310	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-E20-2-3-07/20/2022	OCDD	4630	J			
SIB-SC-F25-3-4-07/20/2022	OCDD	8480	J			
SIB-SC-F25-1-2-07/20/2022	OCDD	10400	J			
SIB-SC-F25-5-5.6-07/20/2022	OCDD	12100	J			
SIB-SC-E20-4-5-07/20/2022	Total HpCDD	2040	J			
	OCDD	13000	J			
SIB-SC-E17-5-6-07/19/2022	Total HpCDD	2230	J			
	OCDD	14600	J			
SIB-SC-E19-1-2-07/20/2022	OCDD	9060	J			
SIB-SC-E19-5-6-07/20/2022	Total HpCDD	2320	J			
	OCDD	13100	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20076
HGL Reviewer	Deanna Valdebenito 4/28/2023
HGL Senior Review	Ken Rapuano 5/10/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- For results that do not require validation (QC samples, labeled standards, total PCBs), the HGL reviewer copied the “lab_qualifiers” field into the “interpreted_qualifiers field.

PCB Congeners – 1668C

Equipment Blanks: PCB contamination reported in equipment blanks as pg/L can be interpreted as the equivalent of a soil concentration in pg/g due to the 1000:1 mass workup factor between water and soil samples.

Rinse blank EB04-07212022 was submitted separately from the associated field samples; results for this EB were reported in CFA SDG 20081. The DV report erroneously states that this EB was free from all contamination. This equipment blank contained multiple PCB congeners. The PCB-3 result for sample SIB-SC-F25-3-4-07/20/2022 should be qualified U-EBL. The following results were reported as EMPCs and receive a final qualifier of UJ-EMPC, EBL: PCB-1 and PCB-3 for sample SIB-SC-F25-2-3-07/20/2022; PCB-8 for sample SIB-SC-F25-3-4-07/20/2022; and PCB-3 and PCB-8 results for samples SIB-SC-F25-4-5-07/20/2022 and SIB-SC-F25-5-5.6-07/20/2022. The PCB-1 result for sample SIB-SC-F25-3-4-07/20/2022 was already qualified U due to method blank contamination; this result received an additional reason code of “EBL” but no additional qualification is required. All other results in the associated samples are above the EB action levels.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-F25-2-3-07/20/2022	PCB-1	20	J	UJ	UJ	EMPC, EBL
	PCB-3	22.1	J	UJ	UJ	EMPC, EBL
SIB-SC-F25-3-4-07/20/2022	PCB-1	17.5	U	U	U	MBL, EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
	PCB-3	18.9	J	U	U	EBL
	PCB-8	73.3	J	UJ	UJ	EMPC, EBL
SIB-SC-F25-4-5-07/20/2022	PCB-3	14.3	J	UJ	U	EMPC, EBL
	PCB-8	43.3	J	UJ	UJ	EMPC, EBL
SIB-SC-F25-5-5.6-07/20/2022	PCB-1	6.52	U	UJ	UJ	EMPC, MBL
	PCB-3	8.25	J	UJ	UJ	EMPC, EBL
	PCB-8	30.4	J	UJ	UJ	EMPC, EBL
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC for 32 results		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20101
HGL Reviewer	Deanna Valdebenito 3/10/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. Rinse blank EB04-07/21/2022 is the EB associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20074. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV report did not list that 1,2,3,4,6,7,8-HpCDF for samples SIB-SC-B09-4-5-07/22/2022, SIB-SC-B09-5-6-07/22/2022 and SIB-SC-F20-5-6-07/21/2022 should be qualified U-MBL. The affected results are correctly listed as qualified in the Qualified Data Results Table attached to the DB report and were correctly qualified U-MBL in the EDD. No additional qualification is required.

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Three results for OCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 7 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-F20-3-4-07/21/2022	OCDD	6840	J			Change "reportable_result" from "No" to "Yes"
FD-16-07/21/2022	OCDD	6000	J			
SIB-SC-F18-2-3-07/21/2022	OCDD	10400	J			
7 Samples	2,3,7,8-TCDF	varies	DNR			Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20102
HGL Reviewer	Deanna Valdebenito 3/10/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. Rinse blank EB04-07/21/2022 is the EB associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20074. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV report summary of results qualified due to method blank contamination contains errors. The preparation batch identified as 51081 is actually batch 51078 and the result that received qualification in this batch is sample SIB-SC-E25-1-2-07/23/2022, not SIB-SC-E24-3-4-07/23/2022 as indicated in the DV report. This appears to be a copy and paste error, as sample SIB-SC-E24-3-4-07/23/2022 is correctly listed in association with preparation batch 50929. The U-MBL qualification of the 1,2,3,7,8-PeCDF result for sample SIB-SC-E25-1-2-07/23/2022 is correctly listed in the Qualified Data Summary Table attached to the DV report and this result is correctly qualified in the Excel EDD. No additional qualification is required.

MS/MSD: The DV report summarized the MS/MSD discrepancies incorrectly. The MSD %R and RPD for OCDD and 1,2,3,4,6,7,8-HpCDF were reversed. The report also assigned reason codes for %R discrepancies to 1,2,3,4,6,7,8-HpCDD and OCDD even though the sample concentration was >4x the spike concentration. **The reason code applied to the 1,2,3,4,6,7,8-HpCDD and OCDD results reported for sample SIB-SC-C25-0-1-07/23/2022 should be changed to J-MSP and J-ACR,MSP, respectively.** Although incorrect in the DV report summary, the qualification for 1,2,3,4,6,7,8-HpCDF is correct as J-MSL,MSP in the electronic data file and no additional qualification is required.

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Eleven results for OCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The**

“reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 17 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
17 Samples	2,3,7,8-TCDF	varies	DNR	Change “reportable_result” from “Yes” to “No” Change “detected” from “N” to “Y”		
SIB-SC-C25-0-1-07/23/2022	OCDD	4740	J	Change “reportable_result” from “No” to “Yes”		
SIB-SC-C25-1-2-07/23/2022	OCDD	6900	J			
SIB-SC-C25-3-4-07/23/2022	OCDD	8710	J			
SIB-SC-C25-4-5-07/23/2022	OCDD	10200	J			
SIB-SC-C25-5-6-07/23/2022	OCDD	9900	J			
SIB-SC-E23-1-2-07/23/2022	OCDD	4240	J			
SIB-SC-E23-2-3-07/23/2022	OCDD	9990	J			
SIB-SC-E24-2-3-07/23/2022	OCDD	4650	J			
SIB-SC-E25-1-2-07/23/2022	OCDD	4030	J			
SIB-SC-E25-3-4-07/23/2022	OCDD	4780	J			
SIB-SC-E25-4-5-07/23/2022	OCDD	7110	J			
SIB-SC-C25-0-1-07/23/2022	1,2,3,4,6,7,8-HpCDD	578	J	J	J	MSP
	OCDD	4740	J	J	J	ACR,MSP

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20103
HGL Reviewer	Deanna Valdebenito 3/7/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. The samples collected on 7/23/22 are associated with rinse blank EB04-07212022 (results reported in SDG 20074) and the samples collected on 7/24/22 are associated with rinse blank EB05-07262022 (results reported in SDG 20123). Both EBs were free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results:

1. Nine results for OCDD and two results for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 11 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
11 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No"	Change "detected" from "N" to "Y"	
SIB-SC-E30-1-2-07/23/2022	OCDD	9410	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-E30-2-3-07/23/2022	OCDD	11500	J			
SIB-SC-E30-3-4-07/23/2022	OCDD	10000	J			
SIB-SC-E30-4-5-07/23/2022	OCDD	8870	J			
SIB-SC-E30-5-6-07/23/2022	OCDD	7230	J			
SIB-SC-F21-1-2-07/24/2022	OCDD	5560	J			
FD-12-07/24/2022	Total HpCDD	2750	J			
	OCDD	13100	J			
SIB-SC-C05-1-2-07/24/2022	Total HpCDD	2530	J			
	OCDD	10200	J			
SIB-SC-C05-2-3-07/24/2022	OCDD	4940	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20104
HGL Reviewer	Deanna Valdebenito 4/28/2023
HGL Senior Review	5/10/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- For results that do not require validation (QC samples, total PCBs), the HGL reviewer copied the “lab_qualifiers” field into the “interpreted_qualifiers field.

PCB Congeners – 1668C

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV did not qualify PCB-198/199 for samples SIB-SC-B09-0-1-07/22/2022 and SIB-SC-B09-4-5-07/22/2022. Analyte 2,2',3,3',4,5,5',6-Octachlorobiphenyl for both samples should be qualified U with reason code MBL because they were below the action level. The final qualifier applied to the PCB-198/199 result for SIB-SC-B09-4-5-07/22/2022 is UJ due to the original result being an EMPC.
2. The DV did not qualify PCB-11 for sample SIB-SC-C05-1-2-07/24/2022; although the result of 324 pg/g was above the action level of 220.5, this sample was analyzed at a 5x dilution, leading to a sample-specific action level of 1102.5 pg/g. The final qualifier applied to the PCB-11 result for SIB-SC-C05-1-2-07/24/2022 is UJ due to the original result being an EMPC.
3. In addition to the two cases described above, there were 13 other instances where a result reported as an EMPC was subsequently qualified U due to method blank contamination. The HGL reviewer changed the qualification of these results to UJ-EMPC, MBL.

Equipment Blanks: PCB contamination reported in equipment blanks as pg/L can be interpreted as the equivalent of a soil concentration in pg/g due to the 1000:1 mass workup factor between water and soil samples.

Rinse blank EB04-07212022 was submitted separately from the associated field samples; results for this EB were reported in CFA SDG 20081. The DV report erroneously states that this EB was free from all contamination. This equipment blank contained multiple PCB congeners. The HGL reviewer applied U-EBL qualification to the PCB-11 results for samples SIB-SC-B09-0-1-07/22/2022, SIB-SC-B09-2-3-07/22/2022, SIB-SC-B09-5-6-07/22/2022, and SIB-SC-B09-3-4-07/22/2022; the PCB-18/30 result for sample SIB-SC-B09-1-2-07/22/2022 was reported as an EMPC and

receives a final qualifier of UJ-EMPC, EBL. Several results were already qualified U due to method blank contamination or UJ due to a combination of being an EMPC affected by method blank contamination. The following results had “EBL” added to the existing reason code(s):

- SIB-SC-B09-0-1-07/22/2022 and SIB-SC-B09-5-6-07/22/2022: PCB-31 and PCB-20/28 (all MBL, EBL)
- SIB-SC-B09-4-5-07/22/2022: PCB-31, PCB-118, PCB-20/28, and PCB-86/87/97/109/119/125 (all EMPC, MBL, EBL)

The DV report did not note that equipment blank EB05-07262022 is associated with the four samples collected on 7.24.22. This equipment blank contained multiple PCB congeners. The PCB-3, -8, -18/30, -32, -37, -21/33, and -45/51 results for sample SIB-SC-C05-4-5-07/24/2022 should be qualified U-EBL. The PCB-31, -17, 16, and -22 results for sample SIB-SC-C05-4-5-07/24/2022 were reported as EMPCs and receive a final qualifier of UJ-EMPC, EBL. All other results in the associated samples are above the EB action levels.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B09-0-1-07/22/2022	PCB-198/199	17.6	J	U	U	MBL
	PCB-31	8.03	U	U	U	MBL, EBL
	PCB-18/30	6.92	J	U	U	EBL
	PCB-20/28	9.15	U	U	U	MBL, EBL
	PCB-209	9.41	U	UJ	UJ	EMPC, MBL
	PCB-105	13.7	U	UJ	UJ	EMPC, MBL
	PCB-156/157	11.2	U	UJ	UJ	EMPC, MBL
	PCB-167	4.56	U	UJ	UJ	EMPC, MBL
SIB-SC-B09-1-2-07/22/2022	PCB-31	33.1	J	U	U	EBL
	PCB-18/30	16.4	J	UJ	UJ	EMPC, EBL
SIB-SC-B09-2-3-07/22/2022	PCB-11	58.2	U	UJ	UJ	EMPC, MBL
	PCB-3	9.02	J	U	U	EBL
	PCB-18/30	24.2	J	U	U	EBL
SIB-SC-B09-3-4-07/22/2022	PCB-18/30	11.5	J	U	U	EBL
SIB-SC-B09-4-5-07/22/2022	PCB-31	8.76	U	UJ	UJ	EMPC, MBL, EBL
	PCB-11	43	U	UJ	UJ	EMPC, MBL
	PCB-118	24.2	U	UJ	UJ	EMPC, MBL, EBL
	PCB-105	9.69	U	UJ	UJ	EMPC, MBL
	PCB-20/28	6.64	U	UJ	UJ	EMPC, MBL, EBL
	PCB-44/47/65	20.6	U	UJ	UJ	EMPC, MBL
	PCB-86/87/97/109/119/125	19.7	U	UJ	UJ	EMPC, MBL, EBL
	PCB-198/199	13.8	J	UJ	UJ	EMPC, MBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B09-5-6-07/22/2022	PCB-31	6.22	U	U	U	MBL, EBL
	PCB-18/30	4.01	J	U	U	EBL
	PCB-20/28	10.7	U	U	U	MBL, EBL
SIB-SC-C05-1-2-07/24/2022	PCB-11	324	J	UJ	UJ	EMPC, MBL
SIB-SC-C05-4-5-07/24/2022	PCB-167	10.3	J	UJ	UJ	EMPC, MBL
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20360
HGL Reviewer	Ken Rapuano 5/26/2023
HGL QC Review	Justin Hersh 7/5/2023

General issues: The HGL reviewer changed the reason code applied to results reported as EMPCs, replacing the VJ code used by the validator (in some cases in combination with other qualifiers). The HGL reviewer also verified/completed the following formatting items:

- Reason codes were applied to the dqm_remark column instead of the approval_code column, as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The DV report qualified five results reported as EMPCs as U-MBL due to method blank contamination; the HGL reviewer changed the qualifier to UJ-EMPC,MBL.

PCBs as Congeners (Method 1668C)

Method Blank: The narrative indicates that sample SIB-SED-F14-09052022 DRET 10 g was analyzed at a 20x dilution to quantify elevated concentrations of PCBs (the dilution factor of 20x was not indicated in the data report or in the EDD). The laboratory did not provide undiluted results and the HGL reviewer could not determine whether those analytes detected below 20x the method blank action level were detected at similar concentrations in the undiluted fractions (which would be an indication that these results were site-related and not due to a combination of laboratory contamination and dilution effects). In the judgment of the HGL reviewer, the results reported for this sample should be accepted without qualification as artifacts.

Qualification Modification Table (all results in pg/L)

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SED-C22-09052022 DRET 1 g/L	PCB-2	6.15	U	UJ	UJ	EMPC,MBL
SIB-SED-C22-09052022 DRET 10 g/L	None required					
SIB-SED-D05-09052022 DRET 1 g/L	PCB-1	9.04	U	UJ	UJ	EMPC,MBL
	PCB-2	4.03	U	UJ	UJ	EMPC,MBL
	PCB-3	5.4	U	UJ	UJ	EMPC,MBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SED-D05-09052022 DRET 10 g/L	PCB-2	6.92	U	UJ	UJ	EMPC,MBL
SIB-SED-F14-09052022 DRET 1 g/L	None required					
SIB-SED-F14-09052022 DRET 10 g/L	None required					

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20361
HGL Reviewer	Ken Rapuano 2/21/23
QC Review	Deanna Valdebenito 3/1/2023

General issues: None noted.

PCDD/PCDFs – 1613B

No additional issues noted.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	MCGI
Laboratory	Cape Fear Analytical (CFA)
SDG	20416
HGL Reviewer	Ken Rapuano 5/5/2023
HGL QC Review	Deanna Valdebenito 5/18/2023

General issues: Note – many of the validation discrepancies identified below are due to the speed with which this validation firm was brought onboard to support this project with limited instruction. As a result, the HGL Project Chemist prepared a Consistency Memorandum and distributed it to all three validation firms in order to provide guidance on validation approaches and instructions on how to complete the EDD for qualifier/reason code upload.

The validator applied all qualifiers in the validation_qualifiers field and did not populate the interpreted_qualifiers field. **The HGL reviewer populated the interpreted_qualifiers field with either the final qualifier for 2,3,7,8-substituted congener results or with the laboratory_qualifiers field for surrogates, calculated values, and QC samples.** The validator also did not apply reason codes. **The HGL reviewer populated the approval_code field with the reason codes applicable to each result.**

The validator treated the PES PSRM0158 as a QC sample. These samples should be validated to the same stage as the environmental samples in the same SDG. The validators populated the laboratory_qualifiers field for the PES with an X flag. **The HGL removed the X applied by the validators and applied all applicable qualifiers to the laboratory_qualifiers, approval_code, and interpreted_qualifiers fields of the PES.**

The DV report indicated that the U1 qualifier was used to differentiate results qualified as artifacts due to blank contamination from results reported non-detections by the laboratory. This U1 qualifier was applied in the validation_qualifiers; all U1 qualifiers that remained after the HGL revisions described below were retained. **The HGL reviewer applied the standard U qualifier to the interpreted_qualifiers field.**

The validator populated the laboratory_qualifiers field with X for all QC samples; this was approved by the HGL reviewer. The HGL reviewer added the X flag to spiked compounds and surrogates as a convenience in filtering the file.

The HGL reviewer applied Y to the validated_yn field in this SDG.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Ten results for OCDD and two results for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected OCDD results J. **The J-qualified OCDD results reported above the calibrated range should have reason code ACR applied.** The total HpCDD results do not require qualification; however, all 12 results were reported by the laboratory with the reportable_result field

populated with “No”. **The reportable_result field for all OCDD and total HpCDD results reported with a laboratory_qualifiers of E should be changed from “No” to “Yes”.**

2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly did not select which of the reported pair of results was the usable result. The HGL reviewer selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC and changed the “reportable_result” field from “Yes” to “No”. **The 2,3,7,8-TCDF results \geq LOQ reported from the DB-5MS column (results \geq LOQ reported from instrument HRP763_1) should be qualified EXC-DNR and have the “reportable_result” field should be changed from Yes to No.**
3. The validator correctly applied a J qualifier to all results reported as EMPCs (results reported with a K in the laboratory_qualifiers field). **The HGL reviewer added “EMPC” to the approval_code field for all EMPCs.**

Method Blanks: The validator did not change the detected_yn field from Y to N for results that were qualified U due to blank contamination. **The HGL reviewer changed this field for all results qualified U due to blank contamination, modified as described below.**

1. The validator applied the blank qualification guidelines from the NFG instead of the “5x” convention. All target analytes are known contaminants or classes of contaminants at the site and project data is being used to support engineering design for remedial action not site characterization. Also, non-detected project data are being reported as MDL U instead of the CLP convention of PQL U. As the NFG protocols lead to a potential overqualification of data, the older 5x rule will be used for this project. The HGL reviewer removed the U1 from the laboratory_qualifiers field for all result that were >5x the corresponding blank concentration (adjusted for dilution), regardless of whether the corresponding result was <LOQ or \geq LOQ. **The HGL reviewer added MBL to the approval_code field for all results qualified U due to method blank contamination.**
2. The validator did not associate the method blank correctly, using the laboratory’s “initial” and “reanalysis” designations instead of preparation date. The HGL reviewer reassessed the impact of method blanks using preparation date instead of the contents of the test_type field. **The HGL reviewer requalified the data based on this reassessment.**
3. The validator applied U qualifiers to non-2,3,7,8-substituted results based on the “B” flag in the laboratory_qualifiers field; however, these results do not require qualification. **The HGL reviewer replaced the validated_qualifiers and interpreted_qualifiers field with the laboratory_qualifiers field contents.**

MS/MSD: The validator did not apply a J qualifier to the 1,2,3,4,6,7,8-heptachlorodibenzofuran result for sample SIB-SC-H08-2-3-07/26/2022. **The HGL reviewer qualified the 1,2,3,4,6,7,8-heptachlorodibenzofuran result for SIB-SC-H08-2-3-07/26/2022 with J-MSP.**

Qualification Modification Table (all results in pg/g)

Due to the number of changes, the revisions made by the HGL reviewer that are bolded in this review memo are documented in the green shaded cells in the file 200416_EDD_T_HGL_QCTrack.xlsx.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20417
HGL Reviewer	Deanna Valdebenito 3/10/2023
HGL Senior Review	Ken Rapuano 3/16/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. The samples in this SDG are associated with rinse blank rinse blank EB05-07262022 (results reported in SDG 20123). This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Thirteen results for OCDD and seven total HpCDD results for were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 14 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
14 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"		
SIB-SC-I06-1-2-07/26/2022	OCDD	7580	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-I06-2-3-07/26/2022	Total HpCDD	3260	J			
	OCDD	19400	J			
SIB-SC-I06-3-4-07/26/2022	Total HpCDD	3020	J			
	OCDD	17600	J			
SIB-SC-I06-4-5-07/26/2022	Total HpCDD	2790	J			
	OCDD	15900	J			
SIB-SC-I06-5-6-07/26/2022	Total HpCDD	2210	J			
	OCDD	13000	J			
SIB-SC-J06-1-2-07/26/2022	OCDD	6750	J			
SIB-SC-J06-2-3-07/26/2022	Total HpCDD	2310	J			
	OCDD	14600	J			
SIB-SC-J06-3-4-07/26/2022	Total HpCDD	3710	J			
	OCDD	21500	J			
SIB-SC-J06-4-5-07/26/2022	Total HpCDD	2100	J			
	OCDD	12400	J			
SIB-SC-J06-5-6-07/26/2022	OCDD	39300	J			
SIB-SC-K03-1-2-07/27/2022	OCDD	8230	J			
SIB-SC-K03-3-4-07/27/2022	OCDD	4440	J			
SIB-SC-K03-4-5-07/27/2022	OCDD	5280	J			

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20418
HGL Reviewer	Deanna Valdebenito 3/15/2023
Review Date	Ken Rapuano 3/24/23

General issues: Rinse blank EB04-07212022 was submitted separately from the associated field samples; results for this EB were reported in CFA SDG 20081. This EB was free from all contamination and additional qualification is not required.

PCDD/PCDFs – 1613B

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV did not qualify 2,2',3,3',4,5,5',6-Octachlorobiphenyl for samples SIB-SC-B09-0-1-07/22/2022 and SIB-SC-B09-4-5-07/22/2022. Analyte 2,2',3,3',4,5,5',6-Octachlorobiphenyl for both samples should be qualified U with reason code MBL because they did not meet or exceed the action level.
2. The DV did not qualify Polychlorinated Biphenyl (PCB) for sample SIB-SC-B09-4-5-07/22/2022. Analyte Polychlorinated Biphenyl (PCB) for that sample should be qualified U with reason code MBL because it did not meet or exceed the action level.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B09-0-1-07/22/2022 (5x dilution)	2,2',3,3',4,5,5',6-Octachlorobiphenyl	varies	DNR			Change "reportable_result" from "Yes" to "No"
SIB-SC-B09-1-2-07/22/2022 (5x dilution)	2,2',3,3',4,5,5',6-Octachlorobiphenyl	varies	DNR			Change "reportable_result" from "Yes" to "No"
SIB-SC-B09-4-5-07/22/2022	Polychlorinated Biphenyl (PCB)	880	DNR			Change "reportable_result" from "Yes" to "No"

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20419
HGL Reviewer	Deanna Valdebenito 5/3/2023
HGL Senior Reviewer	Ken Rapuano 5/11/2023

General issues:

The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- The validator completed the interpreted qualifier for all PCDD/PCDF results. Although validation and qualification is not required for results reported for non-2,3,7,8-substituted congeners, the HGL reviewer did not override the validation_qualifier, reason code, and interpreted_qualifier applied by the validators. The HGL reviewer ensured that the interpreted_qualifier field was populated for all applicable results.

Dioxins/Furans – E1613B

MS/MSDs: The validator qualified the 2,3,7,8-TCDF result for sample SIB-SC-I08-2-3-07/28/2022 based on the MS/MSD results reported from the DB-5 column (instrument HRP763) instead of the DB-225 (instrument HRP757) column that was used to report the accepted sample result. **The MS/MSD results from the DB-225 column did not show a %R discrepancy and the HGL reviewer removed the MSH reason code from this result.** The MSP reason code and J qualifier applied by the validators remain applicable for this result.

Field Duplicates: The FD comparison summary table contains several compound misidentifications and errors. The table incorrectly identifies discrepancies for 1,2,3,4,7,8-HxCDD and 1,2,3,4,7,8,9-HpCDD; the discrepancies are for 1,2,3,4,7,8-HxCDF and 1,2,3,4,7,8,9-HpCDF, respectively. The validator applied the qualifiers and reason codes to the correct analytes in the EDD and no further action is required. The table has two entries for OCDF; the validator correctly applied qualifiers to both OCDF and OCDD in the EDD and no further action is required. The table omits an absolute difference discrepancy for 2,3,4,6,7,8-HxCDD. **The 2,3,4,6,7,8-HxCDD results for samples SIB-SC-I08-1-2-07/28/2022 and FD-22-07/28/2022 should be qualified J-FDPA.**

Equipment Blanks: The data validation report did not associate EB06-08/04/2022 (results reported in SDG 20187) with the five samples collected on 8.3.22 reported in this SDG. This EB was contaminated with multiple PCDD/PCDF compounds; however, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB. In the judgment of the HGL reviewer, the detected results

reported for EB06-08/04/2022 represent contamination associated with aqueous sample preparation and are not related to cross-contamination in the field. No additional qualification is required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-I08-1-2-07/28/2022	2,3,4,6,7,8-HxCDF	32.3	--	J	J	FDPA
FD-22-07/28/2022	2,3,4,6,7,8-HxCDF	100	--	J	J	FDPA
SIB-SC-I08-2-3-07/28/2022	2,3,7,8-TCDF	9.74	J	J	J	MSP
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20420
HGL Reviewer	Deanna Valdebenito 4/28/2023
HGL Senior Review	Ken Rapuano 5/11/2023

General issues: The sample summary table included in this DV report was copied from the DV report for SDG 20419 and was not updated by the validators to reflect the samples in SDG 20420.

The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that the detect_flag field was populated with N for all results with an interpreted_qualifier value of U or UJ.
- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- The validator completed the interpreted qualifier for all PCDD/PCDF results. Although validation and qualification are not required for results reported for non-2,3,7,8-substituted congeners, the HGL reviewer did not override the validation_qualifier, reason code, and interpreted_qualifier applied by the validators. The HGL reviewer ensured that the interpreted_qualifier field was populated for all applicable results.

Dioxins/Furans – E1613B

MS/MSD: The DV report did not evaluate the MS/MSDs performed on sample SIB-SC-E10-2-3-08/05/2022. This MS/MSD pair had %R discrepancies for 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8-HpCDF, OCDF and an RPD discrepancy for 1,2,3,4,6,7,8-HpCDF. **The 1,2,3,4,6,7,8-HpCDD and OCDF results for sample SIB-SC-E10-2-3-08/05/2022 should be qualified J-MSL. The 1,2,3,4,6,7,8-HpCDF result for sample SIB-SC-E10-2-3-08/05/2022 should be qualified J-MSH, MSP.** The OCDD %R discrepancies are not relevant due to the native OCDD concentration being >4x the spike concentration.

Equipment Blanks: The validators correctly associated all sample results in this SDG with equipment blank EB06-08/04/2022. Although the DV report indicates this EB was free from contamination, this EB was contaminated with multiple PCDD/PCDF compounds. However, all detected results in this EB were not substantially different from those reported in the method blank associated with this EB and the HGL reviewer concurs that no additional qualification is required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-E10-2-3-08/05/2022	1,2,3,4,6,7,8-HpCDD	341	--	J	J	MSL
	OCDF	423	--	J	J	MSL
	1,2,3,4,6,7,8-HpCDF	140	--	J	J	MSH, MSP
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC for 16 results		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20421
HGL Reviewer	Deanna Valdebenito 3/14/2023
HGL Senior Review	Ken Rapuano 3/23/2023

General issues: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators. In the judgment of the HGL reviewer, rinse blank EB01-07/12/2022 is the first EB collected after the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20046. This EB was free from all contamination and additional qualification is required.

PCDD/PCDFs – 1613B

Method Blanks: The DV report indicated the results that were qualified U due to method blank contamination. However, several discrepancies were noted in the HGL review.

1. The DV report summary listed 1,2,3,4,7,8-HxCDF for SIB-SC-E09-4-5-08/05/2022 twice. The second instance should be 1,2,3,7,8-PeCDF. The correct qualifiers were assigned in the Qualified Data Summary Table and in the Excel EDD. No additional qualification is required.
2. The DV report indicated that the 1,2,3,7,8-PeCDD result for sample SIB-SC-E06-5-6-08/08/2022 was qualified UJ, reason code MBL,VJ. This sample however was not part of batch 51273; the method blank for batch 51294 was not contaminated with 1,2,3,7,8-PeCDD and this result does not need to be qualified U. **The 1,2,3,7,8-PeCDD result for sample SIB-SC-E06-5-6-08/08/2022 should be qualified J, with a final reason code of VJ (due to being an EMPC).**

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Eleven results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected results J-ACR. These results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all results qualified J-ACR should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC. However, the validator incorrectly changed the “detected” field from “Y” to “N” for the DNR-EXC results and did not change the “reportable_result” field from “Yes” to “No”. **The “reportable_result” field should be changed from Yes to No and the “detected” field should be changed from N to Y for all 13 2,3,7,8-TCDF results >PQL reported from the DB-5MS column (the analyses reported from instrument HRP750_2 or HRP763_1).**

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
13 Samples	2,3,7,8-TCDF	varies	DNR	Change "reportable_result" from "Yes" to "No" Change "detected" from "N" to "Y"		
SIB-SC-E06-4-5-08/08/2022	OCDD	4480	J	Change "reportable_result" from "No" to "Yes"		
SIB-SC-E06-1-2-08/08/2022	OCDD	6420	J			
FD-28-08/08/2022	OCDD	6950	J			
SIB-SC-E09-3-4-08/05/2022	OCDD	7130	J			
SIB-SC-E09-2-3-08/05/2022	OCDD	7200	J			
SIB-SC-E07-3-4-08/06/2022	OCDD	8770	J			
SIB-SC-E07-5-6-08/06/2022	OCDD	8950	J			
SIB-SC-E09-1-2-08/05/2022	OCDD	9190	J			
SIB-SC-E06-2-3-08/08/2022	OCDD	10800	J			
SIB-SC-E08-1-2-08/05/2022	OCDD	10900	J			
SIB-SC-E08-4-5-08/05/2022	Total HpCDD	2030	J			
	OCDD	12400	J			
SIB-SC-E06-5-6-08/08/2022	1,2,3,7,8-PeCDD	0.672	UJ	J	J	VJ

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20422
HGL Reviewer	Ken Rapuano 5/17/2023
HGL QC Check	Deanna Valdebenito 5/18/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (135x results, in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples).
- Changing reportable_result from Yes to No and changing detect_flag from N to Y for 2,3,7,8-TCDF results qualified DNR-EXC by the validator (7x 2,3,7,8-TCDF results).
- Changing the reportable_result from No to Yes for results reported with a lab_qualifiers of E (6x OCDD results).

Dioxins/Furans – E1613B

SRM Sample: The DV report did not include the SRM sample in the validation, treating it as a QC sample.

- The HGL reviewer added a validation_qualifiers of J and reason code EMPC to the results reported for 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDD, 2,3,7,8-TCDF, and 2,3,7,8-TCDD.
- Verified that all reported results were > action level associated with detections in the method blank.
- Verified that the 2,3,7,8-TCDF result was <LOQ and did not require analysis on the DB-225 column.

Method Blank: The validator qualified the OCDF results for samples SIB-SC-D05-3-4-08/09/2022 and SIB-SC-D05-4-5-08/09/2022 U-MBL. These results are >5x the concentration detected in the associated method blank. The HGL reviewer removed the U qualifier and MBL reason code from the OCDF results reported for samples SIB-SC-D05-3-4-08/09/2022 and SIB-SC-D05-4-5-08/09/2022.

Equipment Blank: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators at the time this SDG was validated. In the judgment of the HGL reviewer, rinse blank EB07-08/09/2022 is associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20187. This equipment blank was contaminated with four PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the

HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponded approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,4,6,7,8-HpCDD	1.53	0.153	0.765
OCDD	2.79	0.279	1.40
1,2,3,4,7,8-HxCDF	0.902	0.0902	0.451
1,2,3,4,6,7,8-HpCDF	1.85	0.185	0.925

The HGL reviewer applied U-EBL to the 1,2,3,4,7,8-HxCDF results reported for samples SIB-SC-E05-5-6-08/08/2022 and SIB-SC-D05-5-6-08/09/2022. The SRM is not affected by field cross-contamination and was not included in the rinse blank evaluation.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-E05-5-6-08/08/2022	1,2,3,4,7,8-HxCDF	0.359	UJ	UJ	UJ	MBL,EBL,EMPC
SIB-SC-D05-3-4-08/09/2022	OCDF	6.39	U	--	--	--
SIB-SC-D05-4-5-08/09/2022	OCDF	6.51	U	--	--	--
SIB-SC-D05-5-6-08/09/2022	1,2,3,4,7,8-HxCDF	0.19	U	U	U	MBL,EBL
PSRM0158	1,2,3,4,7,8-HxCDD	1.15	--	J	J	EMPC
	1,2,3,7,8-PeCDD	1.07	--	J	J	EMPC
	2,3,7,8-TCDF	0.866	--	J	J	EMPC
	2,3,7,8-TCDD	0.937	--	J	J	EMPC
	All other results <PQL	varies	--	--	J	--

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20423
HGL Reviewer	Ken Rapuano 5/23/2023
HGL QC Review	Deanna Valdebenito (5.26.23)

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples), and converting non-standard flags to standard qualifiers (eg, K into J).
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that all 2,3,7,8-TCDF results qualified DNR-EXC had a “reportable_result” field populated with “No”.
- The HGL reviewer verified that results reported from above the calibrated range had the “reportable_result” field populated with “Yes”.

Dioxins/Furans – E1613B

Equipment Blank: The DV report correctly associates equipment blanks EB07-08/09/2022 with the samples submitted in this SDG. PCDD/PCDF results for EB07-08/09/2022 were reported in CFA SDG 20187. The DV report indicates that EB07-08/09/2022 was free from contamination; however, this equipment blank was contaminated with four PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponded approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,4,6,7,8-HpCDD	1.53	0.153	0.765
OCDD	2.79	0.279	1.40
1,2,3,4,7,8-HxCDF	0.902	0.0902	0.451
1,2,3,4,6,7,8-HpCDF	1.85	0.185	0.925

- The 1,2,3,4,6,7,8-HpCDD result for sample SIB-SC-B10-5-6-08/11/2022 is below the action level; the HGL reviewer qualified this result U-EBL.
- The 1,2,3,4,7,8-HxCDF results for samples SIB-SC-F05-3-4-08/10/2022, SIB-SC-F05-4-5-08/10/2022, SIB-SC-F05-5-6-08/10/2022, SIB-SC-B10-1-2-08/11/2022, and SIB-SC-B10-4-5-08/11/2022 are below the action level; all five results are already qualified U-MBL due to contamination in the associated method blank, and the HGL reviewer added EBL to final reason code for each of these results.
- The 1,2,3,4,6,7,8-HpCDF results for samples SIB-SC-B10-2-3-08/11/2022 and SIB-SC-B10-5-6-08/11/2022 are below the action level; both results are already qualified U-MBL,EMPC due to contamination in the associated method blank and being EMPCs; the HGL reviewer added EBL to final reason code for both of these results.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-F05-3-4-08/10/2022	1,2,3,4,7,8-HxCDF	0.328	U	U	U	MBL,EBL
SIB-SC-F05-4-5-08/10/2022	1,2,3,4,7,8-HxCDF	0.373	U	U	U	MBL,EBL
SIB-SC-F05-5-6-08/10/2022	1,2,3,4,7,8-HxCDF	0.151	U	U	U	MBL,EBL
SIB-SC-B10-1-2-08/11/2022	1,2,3,4,7,8-HxCDF	0.078	U	U	U	MBL,EBL
SIB-SC-B10-2-3-08/11/2022	1,2,3,4,6,7,8-HpCDF	0.913	UJ	UJ	UJ	MBL,EMPC,EBL
SIB-SC-B10-4-5-08/11/2022	1,2,3,4,7,8-HxCDF	0.11	U	U	U	MBL,EBL
SIB-SC-B10-5-6-08/11/2022	1,2,3,4,6,7,8-HpCDF	0.133	UJ	UJ	UJ	MBL,EMPC,EBL
	1,2,3,4,6,7,8-HpCDD	0.716	J	U	U	EBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20425
HGL Reviewer	Ken Rapuano 5/23/2023
HGL QC Review	Deanna Valdebenito (5.26.23)

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples), and converting non-standard flags to standard qualifiers (eg, K into J).
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that all 2,3,7,8-TCDF results qualified DNR-EXC had a “reportable_result” field populated with “No”.
- The HGL reviewer verified that results reported from above the calibrated range had the “reportable_result” field populated with “Yes”.

Dioxins/Furans – E1613B

Field Duplicate: The parent sample associated with FD-39-08/16/2022 (results reported in SDG 20426) is SIB-SC-G04-5-6-08162022, not SIB-SC-G04-4-5-08/16/2022 as indicated in the DV report. The HGL reviewer reviewed duplicate precision between the correct duplicate pair and confirmed that the evaluation in the DV report is correct and the parent sample misidentification is a typo and not a mis-association.

Equipment Blank: The DV report correctly associates equipment blanks EB07-08/09/2022 and EB08-08/21/2022 with the samples submitted in this SDG. PCDD/PCDF results for EB07-08/09/2022 were reported in CFA SDG 20187 and the results for EB08-08/21/2022 were reported in SDG 20283. The DV report indicates that EB07-08/09/2022 was free from contamination; however, this equipment blank was contaminated with four PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponded approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,4,6,7,8-HpCDD	1.53	0.153	0.765
OCDD	2.79	0.279	1.40

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,4,7,8-HxCDF	0.902	0.0902	0.451
1,2,3,4,6,7,8-HpCDF	1.85	0.185	0.925

EB07-08/09/2022 is associated with the samples collected on 8/11/22. All results for the analytes detected in EB07-08/09/2022 were much greater than the corresponding action levels in the associated samples and no additional qualification is required.

EB08-08/21/2022 is associated with the samples collected on 8/16/22. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20426
HGL Reviewer	Ken Rapuano 5/23/2023
HGL QC Check by	Deanna Valdebenito (5/25/23)

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples), and converting non-standard flags to standard qualifiers (eg, K into J).
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that all 2,3,7,8-TCDF results qualified DNR-EXC had a “reportable_result” field populated with “No”.
- No results were reported from above the calibrated range and it was not necessary to confirm that the “reportable_result” field was populated with “Yes” for these results.

Dioxins/Furans – E1613B

Field Duplicate: The parent sample associated with FD-39-08/16/2022 is SIB-SC-G04-5-6-08162022, not SIB-SC-G04-4-5-08/16/2022 as indicated in the DV report. The HGL reviewer reviewed duplicate precision between the correct duplicate pair and confirmed that the evaluation in the DV report is correct and the parent sample misidentification is a typo and not a mis-association.

Equipment Blank: Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blank EB08-08/21/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

Qualification Modification Table (all results in pg/g)

No additional qualification was required. No reason codes required change except for replacing reason code VJ with EMPC and transferring the laboratory qualifier to the validated_qualifiers field, as described in “General Issues” above.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20427
HGL Reviewer	Ken Rapuano 5/23/2023
HGL QC Check by	Deanna Valdebenito (5/25/23)

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples), and converting non-standard flags to standard qualifiers (eg, K into J).
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that all 2,3,7,8-TCDF results qualified DNR-EXC had a “reportable_result” field populated with “No”.
- The HGL reviewer verified that results reported from above the calibrated range had the “reportable_result” field populated with “Yes”.

Dioxins/Furans – E1613B

Field Duplicate: The DV report indicates that 2,3,7,8-TCDD did not meet the absolute difference criterion in the SIB-SC-F03-3-4-08/18/2022 and FD-42-08/18/2022 duplicate pair. This analyte met the precision criterion and the HGL reviewer removed the J qualifier and FDPA reason code from the two affected results.

MS/MSD: The validator used reason codes MSLX and MSHX for the OCDD result reported for sample SIB-SC-F03-2-3-08/18/2022. The OCDD concentration in this sample is >4x the concentration spiked into the MS and MSD. The affected result retains the J-MSP qualifier for high MS/MSD RPD, but the MSLX and MSHX qualifiers were removed by the HGL reviewer.

Equipment Blank: Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blank EB08-08/21/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-F03-2-3-08/18/2022	OCDD	844	J	J	J	MSP
SIB-SC-F03-3-4-08/18/2022	2,3,7,8-TCDD	0.628	J	--	J	EMPC
FD-42-08/18/2022	2,3,7,8-TCDD	ND	J	--	U	--

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20428
HGL Reviewer	Ken Rapuano 5/16/2023
HGL QC Check by	Deanna Valdebenito 5/17/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.

Dioxins/Furans – E1613B

The DV report did not include the SRM sample in the validation, treating it as a QC sample. The interpreted_qualifiers field was correctly populated for all results for this SRM sample; however, the HGL reviewer added a validation_qualifiers of J and reason code EMPC to the results reported for 1,2,3,7,8,9-HxCDF and 1,2,3,7,8-PeCDD.

The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators at the time this SDG was validated. In the judgment of the HGL reviewer, rinse blank EB08-08/21/2022 is associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20283. This EB was free from all contamination except OCDD; however, the OCDD result in the rinse blank is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field. No additional qualification is required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
PSRM0158	1,2,3,7,8,9-HxCDF	0.724	--	J	J	EMPC
	1,2,3,7,8-PeCDD	1.02	--	J	J	EMPC
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC for 118 results		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20429
HGL Reviewer	Ken Rapuano 6/14/2023
HGL QC Check by	Justin Hersh 7/5/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.

Dioxins/Furans – E1613B

Equipment Blank: Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blank EB08-08/21/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

Field Duplicates: The DV report qualified the 2,3,7,8-TCDD results J/UJ for field duplicate pair SIB-SC-C09-1-2-08/19/2022 / FD-44-08/19/2022; this pair of results is in control and do not require qualification. The DV report noted that based on a comparison to the results reported for sample SIB-SC-C09-2-3-08/19/2022, it was possible that the parent sample of the field duplicate was mis-assigned. The HGL reviewer confirmed with the field sampling team that the field duplicate association was correct as reported and that the discrepancies represent real non-homogeneity in the sampled interval.

MS/MSD: The validator used the MSLX reason code for OCDF due to the very low %R in the MSD although the native concentration is >4x the spike concentration, the concentration recovered in the MSD is less than ½ the reported native concentration. The HGL reviewer concurs with using the MSLX reason code in this circumstance even though the %R results would normally not be applicable.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-C09-1-2-08/19/2022	2,3,7,8-TCDD	0.497	U	--	U	--
FD-44-08/19/2022	2,3,7,8-TCDD	0.971	J	--	J	--

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20430
HGL Reviewer	Ken Rapuano 6/15/2023
HGL QC Check by	Justin Hersh 7/6/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.

Dioxins/Furans – E1613B

Equipment Blank: Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blank EB08-08/21/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

Field Duplicates: The data validators associated field duplicate FD-46-08/19/2022 with sample SIB-SC-I03-3-4-08/19/2022 in accordance with the database output provided to them; however, there is a master spreadsheet of field samples, and that spreadsheet shows this field duplicate associated to sample SIB-SC-I03-2-3-08/19/2022. The field team leader confirmed that the association in the spreadsheet is the correct one. The field duplicate pair showed acceptable precision when the correct association was used. The J qualifiers and FDPA reason codes should be removed from samples SIB-SC-I03-3-4-08/19/2022 and FD-46-08/19/2022.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-I03-3-4-08/19/2022	Total HpCDDs	3.32	J	--	J	--
	OCDD	16.3	J	J	J	MSH
	Total HpCDFs	1.31	J	J	J	EMPC
FD-46-08/19/2022	Total HpCDDs	23.2	J	--	--	--
	OCDD	138	J	--	--	--
	Total HpCDFs	12.7	J	--	J	--

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20431
HGL Reviewer	Ken Rapuano 6/15/2023
HGL QC Check by	Justin Hersh 7/6/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.

Dioxins/Furans – E1613B

Equipment Blank: Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blank EB08-08/21/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required.

Method Blank: The DV report did not qualify the 1,2,3,4,7,8-HxCDF result for SIB-SC-L09-2-3-08/21/2022. This result is below the qualification threshold and should be qualified U-MBL.

Field Duplicates: The HGL reviewer confirmed that the correct field duplicate/parent sample associations were used.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-L09-2-3-08/21/2022	1,2,3,4,7,8-HxCDF	0.178	J	UJ	UJ	EMPC,MBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20432
HGL Reviewer	Ken Rapuano 6/15/2023
HGL QC Check by	Justin Hersh 7/6/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.

Dioxins/Furans – E1613B

Equipment Blank: Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples; the validator indicated that the results for associated rinse blanks EB08-08/21/2022 and EB09-08242022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated.

The OCDD result in EB08-08/21/2022 is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB08-08/21/2022 and no additional qualification is required. This rinse blank is associated with all samples in this SDG that were collected on 8/21/22.

EB09-08242022 is associated with all samples in this SDG that were collected on 8/22/22. This rinse blank was contaminated with 14 PCDD/PCDFs. The OCDD and 1,2,3,4,6,7,8-HpCDF results are attributable to aqueous prep batch contamination and are not considered to be the result of cross-contamination in the field; however, this equipment blank was contaminated with 12 other PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponds approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,7,8-PeCDD	2.36	0.236	1.18

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,4,7,8-HxCDD	1.58	0.158	0.790
1,2,3,6,7,8-HxCDD	1.58	0.158	0.790
1,2,3,7,8,9-HxCDD	1.84	0.184	0.920
1,2,3,4,6,7,8-HpCDD	1.39	0.139	0.695
1,2,3,7,8-PeCDF	2.78	0.278	1.39
2,3,4,7,8-PeCDF	2.34	0.234	1.17
1,2,3,4,7,8-HxCDF	2.32	0.232	1.16
1,2,3,6,7,8-HxCDF	1.97	0.197	0.985
2,3,4,6,7,8-HxCDF	1.15	0.115	0.575
1,2,3,7,8,9-HxCDF	1.37	0.137	0.685
1,2,3,4,7,8,9-HpCDF	1.37	0.137	0.685

The HGL reviewer qualified the following results U-EBL (note, the number refers to the last digits of the laboratory sample ID):

6. 1,2,3,6,7,8-HxCDD
7. None
8. 1,2,3,7,8-PeCDF and 1,2,3,7,8-PeCDD
9. 1,2,3,7,8-PeCDF
10. None
11. 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF
12. None
13. 1,2,3,4,7,8-HxCDD and 1,2,3,7,8-PeCDD
14. 1,2,3,7,8-PeCDF
15. None
16. 1,2,3,7,8-PeCDF
17. 1,2,3,7,8-PeCDF and 1,2,3,7,8-PeCDD
18. 1,2,3,7,8-PeCDF
21. None
22. 1,2,3,7,8-PeCDF and 1,2,3,7,8-PeCDD

Method Blank: The DV report did not qualify the 1,2,3,4,7,8-HxCDF result for SIB-SC-L09-2-3-08/21/2022. This result is below the qualification threshold and should be qualified U-MBL.

Field Duplicates: The HGL reviewer confirmed that the correct field duplicate/parent sample associations were used.

Result Quantitation: The HGL reviewer concurs with the validator application of a J-VJ qualifier to the 1,2,3,7,8,9-HxCDF result for sample SIB-SC-R02-5-6-08/22/2022 due to the diphenyl ether interference noted by the laboratory.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-R06-1-2-08/22/2022	1,2,3,6,7,8-HxCDD	0.647	J	UJ	UJ	EMPC,EBL
SIB-SC-R06-3-4-08/22/2022	1,2,3,7,8-PeCDF	0.735	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	1.04	J	UJ	UJ	EMPC,EBL
SIB-SC-R06-4-5-08/22/2022	1,2,3,7,8-PeCDF	0.936	J	UJ	UJ	EMPC,EBL
SIB-SC-R04-1-2-08/22/2022	1,2,3,4,7,8-HxCDD	0.784	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDF	0.74	J	U	U	EBL
	1,2,3,7,8-PeCDD	0.774	J	U	U	EBL
	2,3,4,7,8-PeCDF	1.01	J	U	U	EBL
SIB-SC-R04-3-4-08/22/2022	1,2,3,4,7,8-HxCDD	0.733	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	0.88	J	UJ	UJ	EMPC,EBL
SIB-SC-R04-4-5-08/22/2022	1,2,3,7,8-PeCDF	1.17	J	U	U	EBL
SIB-SC-R02-1-2-08/22/2022	1,2,3,7,8-PeCDF	1.19	J	U	U	EBL
SIB-SC-R02-2-3-08/22/2022	1,2,3,7,8-PeCDF	0.859	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	1.09	J	UJ	UJ	EMPC,EBL
SIB-SC-R02-3-4-08/22/2022	1,2,3,7,8-PeCDF	1.28	J	UJ	UJ	EMPC,EBL
SIB-SC-R02-5-6-08/22/2022	1,2,3,7,8-PeCDF	1	J	U	U	EBL
	1,2,3,7,8-PeCDD	0.684	J	U	U	EBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20433
HGL Reviewer	Ken Rapuano 5/16/2023
HGL QC Check by	

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.

Dioxins/Furans – E1613B

SRM Sample: The DV report did not include the SRM sample in the validation, treating it as a QC sample.

- The HGL reviewer added a validation_qualifiers of J and reason code EMPC to the results reported for 1,2,3,4,7,8-HxCDF, 1,2,3,7,8-PeCDF, and 1,2,3,7,8-PeCDD.
- The HGL reviewer qualified the 2,3,4,7,8-PeCDF result UJ-MBL, EMPC and changed the detect_flag field to N.
- The HGL reviewer qualified the 2,3,7,8-TCDF result reported from the DB-5 column (instrument HRP750_2) as EXC-DNR and changed the reportable_result field from Yes to No for the DB-5 column result due to the definitive result being reported from the DB-225 column (instrument HRP757_3).

Equipment Blank: The DV report indicated that no field blanks were associated with the samples submitted in this SDG. Equipment rinsate blanks associated with sediment cores were submitted separately from the associated field samples and the EBs associated with the field samples in this SDG were not provided to the validators at the time this SDG was validated. In the judgment of the HGL reviewer, rinse blank EB09-08/24/2022 is associated with the samples with results reported in this SDG; PCDD/PCDF results for this EB were reported in CFA SDG 20283. The OCDD and 1,2,3,4,6,7,8-HpCDF results in the rinse blank are attributable to aqueous prep batch contamination and are not considered to be the result of cross-contamination in the field; however, this equipment blank was contaminated with 12 other PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponded approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,7,8-PeCDD	2.36	0.236	1.18
1,2,3,4,7,8-HxCDD	1.58	0.158	0.790
1,2,3,6,7,8-HxCDD	1.58	0.158	0.790
1,2,3,7,8,9-HxCDD	1.84	0.184	0.920
1,2,3,4,6,7,8-HpCDD	1.39	0.139	0.695
1,2,3,7,8-PeCDF	2.78	0.278	1.39
2,3,4,7,8-PeCDF	2.34	0.234	1.17
1,2,3,4,7,8-HxCDF	2.32	0.232	1.16
1,2,3,6,7,8-HxCDF	1.97	0.197	0.985
2,3,4,6,7,8-HxCDF	1.15	0.115	0.575
1,2,3,7,8,9-HxCDF	1.37	0.137	0.685
1,2,3,4,7,8,9-HpCDF	1.37	0.137	0.685

The HGL reviewer qualified the following results U-EBL (note, the SRM is not affected by field cross-contamination):

1. FD-50-08/22/2022: 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,4,7,8,9-HpCDF
2. SIB-SC-M05-1-2-08/22/2022: 1,2,3,7,8-PeCDD, 1,2,3,7,8-PeCDF
3. SIB-SC-M05-2-3-08/22/2022: 1,2,3,7,8,9-HxCDD, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF
4. SIB-SC-M05-3-4-08/22/2022: 1,2,3,4,6,7,8-HpCDD
5. SIB-SC-M05-4-5-08/22/2022: None
6. SIB-SC-M05-5-6-08/22/2022: None
7. SIB-SC-M04-0-1-08/23/2022: 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF
8. SIB-SC-M04-1-2-08/23/2022: 1,2,3,7,8-PeCDF
9. SIB-SC-M04-2-3-08/23/2022: 1,2,3,7,8-PeCDD, 2,3,4,7,8-PeCDF
10. SIB-SC-M04-3-4-08/23/2022: 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF
11. SIB-SC-M04-4-5-08/23/2022: 1,2,3,7,8-PeCDF
12. SIB-SC-M04-5-6-08/23/2022: None
13. SIB-SC-N07-0-1-08/24/2022: 1,2,3,7,8-PeCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF
14. SIB-SC-N07-1-2-08/24/2022: 1,2,3,4,7,8-HxCDD, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF
15. SIB-SC-N07-2-3-08/24/2022: None
16. SIB-SC-N07-3-3.6-08/24/2022: None

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
FD-50-08/22/2022	1,2,3,4,7,8,9-HpCDF	0.682	J	U	U	EBL
	1,2,3,4,7,8-HxCDF	1.09	J	U	U	EBL
	1,2,3,4,7,8-HxCDD	0.475	J	U	U	EBL
	1,2,3,7,8-PeCDF	0.442	J	U	U	EBL
	1,2,3,7,8-PeCDD	0.586	J	U	U	EBL
	2,3,4,7,8-PeCDF	0.725	U	U	U	MBL, EBL
SIB-SC-M05-1-2-08/22/2022	1,2,3,7,8-PeCDF	0.71	J	U	U	EBL
	1,2,3,7,8-PeCDD	0.94	J	UJ	UJ	EBL, EMPC
SIB-SC-M05-2-3-08/22/2022	1,2,3,4,7,8-HxCDF	0.664	J	U	U	EBL
	1,2,3,7,8,9-HxCDD	0.569	J	U	U	EBL
	2,3,4,7,8-PeCDF	1.11	U	U	U	MBL, EBL
SIB-SC-M05-3-4-08/22/2022	1,2,3,4,6,7,8-HpCDD	0.686	J	U	U	EBL
SIB-SC-M04-0-1-08/23/2022	1,2,3,4,7,8-HxCDF	0.91	J	U	U	EBL
	1,2,3,4,7,8-HxCDD	0.539	J	U	U	EBL
	1,2,3,6,7,8-HxCDF	0.693	J	U	U	EBL
	1,2,3,7,8-PeCDF	0.253	J	U	U	EBL
	2,3,4,7,8-PeCDF	0.411	U	U	U	MBL, EBL
SIB-SC-M04-1-2-08/23/2022	1,2,3,7,8-PeCDF	0.736	J	UJ	UJ	EBL, EMPC
SIB-SC-M04-2-3-08/23/2022	1,2,3,7,8-PeCDD	0.636	J	UJ	UJ	EBL, EMPC
	2,3,4,7,8-PeCDF	0.659	U	UJ	UJ	MBL, EBL, EMPC
SIB-SC-M04-3-4-08/23/2022	1,2,3,4,7,8-HxCDF	0.946	J	U	U	EBL
	1,2,3,6,7,8-HxCDF	0.869	J	UJ	UJ	EBL, EMPC
SIB-SC-M04-4-5-08/23/2022	1,2,3,7,8-PeCDF	1.1	J	U	U	EBL
SIB-SC-N07-0-1-08/24/2022	1,2,3,7,8-PeCDF	0.63	J	U	U	EBL
	1,2,3,7,8-PeCDD	1.08	J	UJ	UJ	EBL, EMPC
	2,3,4,7,8-PeCDF	0.975	U	U	U	MBL, EBL
SIB-SC-N07-1-2-08/24/2022	1,2,3,4,7,8-HxCDF	1.12	J	U	U	EBL
	1,2,3,4,7,8-HxCDD	0.642	J	UJ	UJ	EBL, EMPC
	1,2,3,7,8-PeCDF	0.417	J	U	U	EBL
	2,3,4,7,8-PeCDF	0.53	U	U	U	MBL, EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
PSRM0159	1,2,3,4,7,8-HxCDF	2.73	--	J	J	EMPC
	1,2,3,7,8-PeCDF	1.03	--	J	J	EMPC
	1,2,3,7,8-PeCDD	1.06	--	J	J	EMPC
	2,3,4,7,8-PeCDF	1.15	--	UJ	UJ	MBL, EMPC
	2,3,7,8-TCDF	1.18	--	DNR	DNR	EXC
Varies	Varies	Varies	J	No change to qualifier; changed reason code from VJ to EMPC for 96 results		

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	4
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20434
HGL Reviewer	Ken Rapuano 6/15/2023
HGL QC Check by	Justin Hersh 7/6/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.

Dioxins/Furans – E1613B

Equipment Blank: EB09-08242022 is associated with all samples in this SDG that were collected on 8/25/22. This rinse blank was contaminated with 14 PCDD/PCDFs. The OCDD and 1,2,3,4,6,7,8-HpCDF results are attributable to aqueous prep batch contamination and are not considered to be the result of cross-contamination in the field; however, this equipment blank was contaminated with 12 other PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponds approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,7,8-PeCDD	2.36	0.236	1.18
1,2,3,4,7,8-HxCDD	1.58	0.158	0.790
1,2,3,6,7,8-HxCDD	1.58	0.158	0.790
1,2,3,7,8,9-HxCDD	1.84	0.184	0.920
1,2,3,4,6,7,8-HpCDD	1.39	0.139	0.695
1,2,3,7,8-PeCDF	2.78	0.278	1.39
2,3,4,7,8-PeCDF	2.34	0.234	1.17
1,2,3,4,7,8-HxCDF	2.32	0.232	1.16
1,2,3,6,7,8-HxCDF	1.97	0.197	0.985

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
2,3,4,6,7,8-HxCDF	1.15	0.115	0.575
1,2,3,7,8,9-HxCDF	1.37	0.137	0.685
1,2,3,4,7,8,9-HpCDF	1.37	0.137	0.685

The HGL reviewer qualified the following results U-EBL (note, the number refers to the last digits of the laboratory sample ID):

1. 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDD, 2,3,4,6,7,8-HxCDF, and 2,3,4,7,8-PeCDF
2. 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8-PeCDF, and 2,3,4,7,8-PeCDF
3. 1,2,3,4,7,8-HxCDF, 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF
4. 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, 2,3,4,7,8-PeCDF
5. 1,2,3,7,8-PeCDF
6. 1,2,3,7,8-PeCDF
7. None
8. None
9. None
10. None
11. None
12. 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF
13. 1,2,3,7,8-PeCDF
14. 1,2,3,4,7,8-HxCDF and 2,3,4,7,8-PeCDF
15. 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8-PeCDF, 2,3,4,6,7,8-HxCDF, and 2,3,4,7,8-PeCDF
16. 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8-PeCDD, 2,3,4,6,7,8-HxCDF, and 2,3,4,7,8-PeCDF
17. 1,2,3,4,7,8-HxCDF, 1,2,3,7,8-PeCDF, and 2,3,4,7,8-PeCDF
18. 1,2,3,4,7,8-HxCDF, 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF
19. 1,2,3,4,7,8-HxCDF, 1,2,3,7,8-PeCDF, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF

The validator indicated that EB10-09052022 was evaluated and was free from contamination. The OCDD result in this EB is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB10-09052022 and no additional qualification is required. This rinse blank is associated with all samples in this SDG that were collected on 9/1/22.

Method Blank: The laboratory extracted all 24 samples in a single preparation batch, but analyzed the extracts in two separate analytical sequences, reanalyzing the same LCS/LCSD and method blank in both sequences. In the judgment of the HGL reviewer, the LCS/LCSD and method blank from each analytical sequence should be associated with the samples analyzed in that sequence. It appears that the validators took this approach and the DV report correctly assigns qualifiers for method blank contamination. However, the MBL reason code was omitted from the 1,2,3,4,6,7,8-HpCDF result reported for sample SIB-SC-N05-4-5-09/01/2022; the HGL reviewer added this reason code to this result.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-N00-1-2-08/25/2022	1,2,3,4,7,8-HxCDF	0.552	--	U	U	EBL
	1,2,3,6,7,8-HxCDF	0.527	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8,9-HxCDD	0.77	--	U	U	EBL
	2,3,4,6,7,8-HxCDF	0.537	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.243	J	UJ	UJ	EMPC,EBL
SIB-SC-N00-2-3-08/25/2022	1,2,3,4,7,8,9-HpCDF	0.621	--	U	U	EBL
	1,2,3,4,7,8-HxCDF	0.498	J	UJ	UJ	EMPC,EBL
	1,2,3,4,7,8-HxCDD	0.682	J	UJ	UJ	EMPC,MBL
	1,2,3,6,7,8-HxCDF	0.567	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDF	0.31	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.465	--	U	U	EBL
SIB-SC-N00-3-4-08/25/2022	1,2,3,4,7,8-HxCDF	1.16	--	U	U	EBL
	1,2,3,7,8-PeCDF	0.476	--	U	U	EBL
	1,2,3,7,8-PeCDD	0.87	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.962	--	U	U	EBL
SIB-SC-N00-4-5-08/25/2022	1,2,3,7,8-PeCDF	0.638	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	0.878	J	UJ	UJ	EMPC,EBL
	2,3,4,7,8-PeCDF	0.979	--	U	U	EBL
SIB-SC-N00-5-6-08/25/2022	1,2,3,7,8-PeCDF	1.03	J	UJ	UJ	EMPC,EBL
SIB-SC-N00-6-7-08/25/2022	1,2,3,7,8-PeCDF	0.811	--	U	U	EBL
SIB-SC-N00-12-13-08/25/2022	1,2,3,7,8-PeCDF	0.501	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	0.914	--	U	U	EBL
	2,3,4,7,8-PeCDF	1.15	--	U	U	EBL
SIB-SC-N00-13-14-08/25/2022	1,2,3,7,8-PeCDF	0.859	--	U	U	EBL
SIB-SC-N00-14-15-08/25/2022	1,2,3,4,7,8-HxCDF	0.705	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.518	J	UJ	UJ	EMPC,EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-O04-1-2-08/25/2022	1,2,3,4,7,8,9-HpCDF	0.585	--	U	U	EBL
	1,2,3,4,7,8-HxCDF	0.494	J	UJ	UJ	EMPC,EBL
	1,2,3,6,7,8-HxCDF	0.484	--	U	U	EBL
	1,2,3,7,8-PeCDF	0.366	J	UJ	UJ	EMPC,EBL
	2,3,4,6,7,8-HxCDF	0.504	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.303	J	UJ	UJ	EMPC,EBL
SIB-SC-O04-2-3-08/25/2022	1,2,3,4,7,8,9-HpCDF	0.685	J	UJ	UJ	EMPC,EBL
	1,2,3,4,7,8-HxCDF	0.526	--	U	U	EBL
	1,2,3,6,7,8-HxCDF	0.38	--	U	U	EBL
	1,2,3,7,8-PeCDD	0.454	J	UJ	UJ	EMPC,EBL
	2,3,4,6,7,8-HxCDF	0.456	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.358	--	U	U	EBL
SIB-SC-O04-3-4-08/25/2022	1,2,3,4,7,8-HxCDF	1.09	--	U	U	EBL
	1,2,3,7,8-PeCDF	0.427	J	UJ	UJ	EMPC,EBL
	2,3,4,7,8-PeCDF	0.848	--	U	U	EBL
SIB-SC-O04-4-5-08/25/2022	1,2,3,4,7,8-HxCDF	0.976	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDF	0.43	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	0.752	J	UJ	UJ	EMPC,EBL
	2,3,4,7,8-PeCDF	0.8	--	U	U	EBL
SIB-SC-O04-5-6-08/25/2022	1,2,3,4,7,8-HxCDF	1.03	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDF	0.352	J	UJ	UJ	EMPC,EBL
	1,2,3,7,8-PeCDD	0.931	--	U	U	EBL
	2,3,4,7,8-PeCDF	0.605	J	UJ	UJ	EMPC,EBL
SIB-SC-N05-4-5-09/01/2022	1,2,3,4,6,7,8-HpCDF	0.46	UJ	UJ	UJ	EMPC,MBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20435
HGL Reviewer	Ken Rapuano 6/19/2023
HGL QC Check by	Justin Hersh 7/6/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
 - For this SDG, this also included adding “J” and “U” qualifiers to the interpreted_qualifiers field for field samples and field duplicates that did not otherwise require a qualifier for a QC discrepancy. It appears that this step was missed by the validators when preparing this EDD for delivery.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.
- Confirming the correct field duplicate association had been made.

Dioxins/Furans – E1613B

Equipment Blank: Rinse blank EB10-09052022 is associated with all samples in this SDG. The validator indicated that EB10-09052022 was evaluated and was free from contamination. The HGL reviewer confirmed that the OCDD result in this EB is attributable to aqueous prep batch contamination and is not considered to be the result of cross-contamination in the field; no other PCDD/PCDF compounds were detected in EB10-09052022 and no additional qualification is required.

Qualification Modification Table (all results in pg/g)

No additional qualification required; however, the HGL reviewer added J and U qualifiers to the interpreted_qualifiers field for all applicable results where the lab_qualifiers field contained a J or a U, respectively.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20437
HGL Reviewer	Ken Rapuano 5/17/2023
HGL QC Check by	Deanna Valdebenito 5/18/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples).
- Changing reportable_result from Yes to No and changing detect_flag from N to Y for 2,3,7,8-TCDF results qualified DNR-EXC by the validator (1x 2,3,7,8-TCDF results – all correct in this SDG except for the SRM).
- Changing the reportable_result from No to Yes for results reported with a lab_qualifiers of E (4x OCDD results and 2x total HpCDD results).
- Two results qualified U-MBL were reported as EMPCs and the final qualifier was changed to UJ-EMPC,MBL.

Dioxins/Furans – E1613B

SRM Sample: The DV report did not include the SRM sample in the validation, treating it as a QC sample.

- The HGL reviewer added a validation_qualifiers of J and reason code EMPC to the result reported for 1,2,3,7,8-PeCDD.
- Verified that all reported results were > action level associated with detections in the method blank.
- The 2,3,7,8-TCDF result from instrument HRP750_2 was >LOQ; the HGL reviewer qualified this result EXC-DNR and changed reportable_result to No.

Field Duplicate: The DV report indicated that field duplicate FD-56-09/04/022 could not be evaluated because parent sample SIB-SC-B04-3-4-09042022 was not included in this SDG and the results were not available for review. The HGL reviewer confirmed by a search of the delivered CFA data reports that the results for the parent sample had not been delivered yet and no review was possible at this time. The parent sample was delivered in SDG 20436; all results in this duplicate pair met precision criteria.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B05-2-3-09/04/2022	1,2,3,7,8-PeCDF	0.239	U	UJ	UJ	EMPC,MBL
SIB-SC-B05-4-5-09/04/2022	1,2,3,4,6,7,8-HpCDF	0.224	U	UJ	UJ	EMPC,MBL
PSRM0158	1,2,3,7,8-PeCDD	0.997	--	J	J	EMPC
	2,3,7,8-TCDF (HRP750_2)	0.997	--	DNR	DNR	EXC(1)
	All other results <PQL	varies	--	--	J	--

(1) Reportable_result changed from Yes to No.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20451
HGL Reviewer	Ken Rapuano 5/26/2023
HGL QC Review	Justin Hersh 7/7/2023

General issues: The HGL reviewer changed the reason code applied to results reported as EMPCs, replacing the VJ code used by the validator (in some cases in combination with other qualifiers). The HGL reviewer also verified/completed the following formatting items:

- Reason codes were applied to the dqm_remark column instead of the approval_code column, as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that results reported with a laboratory_qualifiers of E had a reportable_result of Yes.
- The DV report qualified two results reported as EMPCs as U-MBL due to method blank contamination; the HGL reviewer changed the qualifier to UJ-EMPC,MBL.

PCBs as Congeners (Method 1668C)

MS/MSD: The MS/MSD performed on sample SIB-SC-D07-2-3-08/04/2022 showed %R and RPD discrepancies for PCB-105 and PCB-206 and an RPD discrepancy for PCB-118 (%R discrepancies not applicable) but no qualification was applied. For sample SIB-SC-D07-2-3-08/04/2022, the HGL reviewer applied a J-MSLX,MSH,MSP qualifier to the PCB-105 and PCB-206 results and a J-MSP qualifier to the PCB-118 result.

Equipment Blanks: Equipment blank EB05-07262022 (results reported in SDG 20124) is associated with all sediment samples collected on 7.27.22; equipment blank EB06-08042022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.3.22 and 8.4.22. The DV report indicates that these EBs were either not used in qualifying sample results or not available for validator use. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB05-07262022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-3	3.66	3.66	18.3
PCB-4	12.1	12.1	60.5
PCB-8	12.4	12.4	62.0
PCB-16	5.45	5.45	27.25

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-17	5.38	5.38	26.9
PCB-18/30	12.4	12.4	62.0
PCB-20/28	11.9	11.9	59.5
PCB-21/33	6.41	6.41	32.05
PCB-22	5.47	5.47	27.35
PCB-26/29	3.52	3.52	17.6
PCB-31	12.1	12.1	60.5
PCB-32	3.95	3.95	19.75
PCB-37	3.27	3.27	16.35
PCB-40/71	4.91	4.91	24.55
PCB-44/47/65	12.0	12.0	60.0
PCB-45/51	3.41	3.41	17.05
PCB-49/69	5.65	5.65	28.25
PCB-50/53	2.89	2.89	14.45
PCB-52	13.5	13.5	67.25
PCB-66	5.70	5.70	28.5
PCB-86/87/97/109/119/125	8.95	8.95	44.75
PCB-95	10.3	10.3	51.5
PCB-99	4.13	4.13	20.65
PCB-105	4.44	4.44	22.2
PCB-110/115	11.8	11.8	59.0
PCB-118	8.48	8.48	42.4
PCB-135/151	3.86	3.86	19.3
PCB-147/149	6.55	6.55	32.75
PCB-187	3.72	3.72	18.6

The following results were qualified U-EBL due to contamination in EB05-07262022

- SIB-SC-L03-1-2-07/27/2022: PCB-4, PCB-8, PCB-16, and PCB-18/30
- FD-21-07/27/2022: PCB-4

EB06-08042022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.9	31.9	159.5
PCB-6	10.6	10.6	53
PCB-8	37.9	37.9	189.5
PCB-16	11.4	11.4	57
PCB-17	10.5	10.5	52.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-18/30	24	24	120
PCB-19	4.68	4.68	23.4
PCB-32	7.78	7.78	38.9
PCB-40/71	4.47	4.47	22.35
PCB-99	5.83	5.83	29.15
PCB-132	3.9	3.9	18.5
PCB-184	3.28	3.28	16.4

The following results were qualified U-EBL due to contamination in EB06-08042022

- SIB-SC-D10-3-4-08/03/2022: PCB-4, PCB-6, and PCB-8
- SIB-SC-D10-4-5-08/03/2022: PCB-4
- SIB-SC-D10-5-6-08/03/2022: PCB-4 and PCB-8
- SIB-SC-D07-2-3-08/04/2022: PCB-4
- SIB-SC-D07-3-4-08/04/2022: PCB-4, PCB-6, PCB-8, and PCB-19
- SIB-SC-D07-4-5-08/04/2022: PCB-4
- SIB-SC-D07-5-6-08/04/2022: PCB-6, PCB-8, and PCB-19

Field Duplicate: The EDD did not have the FDPA reason code applied to the PCB-68 result for sample FD-25-08/04/2022. The HGL reviewer added this qualifier.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-L03-1-2-07/27/2022	PCB-4	27.9	J	UJ	UJ	EMPC,EBL
SIB-SC-L03-1-2-07/27/2022	PCB-8	41.3	J	UJ	UJ	EMPC,EBL
SIB-SC-L03-1-2-07/27/2022	PCB-16	18.5	J	U	U	EBL
SIB-SC-L03-1-2-07/27/2022	PCB-18/30	53.5	J	U	U	EBL
FD-21-07/27/2022	PCB-4	35.5	J	UJ	UJ	EMPC,EBL
SIB-SC-D10-3-4-08/03/2022	PCB-3	14.4	U	UJ	UJ	EMPC,MBL
	PCB-4	28.5	J	U	U	EBL
SIB-SC-D10-3-4-08/03/2022	PCB-6	32	J	U	U	EBL
SIB-SC-D10-3-4-08/03/2022	PCB-8	110	--	U	U	EBL
SIB-SC-D10-4-5-08/03/2022	PCB-4	116	J	U	U	EBL
SIB-SC-D10-5-6-08/03/2022	PCB-4	53	J	UJ	UJ	EMPC,EBL
SIB-SC-D10-5-6-08/03/2022	PCB-8	164	--	U	U	EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
FD-25-08/04/2022	PCB-11	223	U	UJ	UJ	EMPC,MBL
	PCB-68	937	J	J	J	EMPC,FDPA
SIB-SC-D07-2-3-08/04/2022	PCB-4	137	J	U	U	EBL
SIB-SC-D07-2-3-08/04/2022	PCB-206	3860	--	J	J	MSLX,MSH,MSP
SIB-SC-D07-2-3-08/04/2022	PCB-105	3920	--	J	J	MSLX,MSH,MSP
SIB-SC-D07-2-3-08/04/2022	PCB-118	16800	--	J	J	MSP
SIB-SC-D07-3-4-08/04/2022	PCB-4	27.8	J	UJ	UJ	EMPC,EBL
SIB-SC-D07-3-4-08/04/2022	PCB-6	37.6	J	U	U	EBL
SIB-SC-D07-3-4-08/04/2022	PCB-8	106	J	U	U	EBL
SIB-SC-D07-3-4-08/04/2022	PCB-19	18.6	J	U	U	EBL
SIB-SC-D07-4-5-08/04/2022	PCB-4	108	J	U	U	EBL
SIB-SC-D07-5-6-08/04/2022	PCB-6	35.5	J	UJ	UJ	EMPC,EBL
SIB-SC-D07-5-6-08/04/2022	PCB-8	99.6	J	U	U	EBL
SIB-SC-D07-5-6-08/04/2022	PCB-19	20.1	J	UJ	UJ	EMPC,EBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20452
HGL Reviewer	Ken Rapuano 5/31/2023
HGL QC Review	Justin Hersh 7/7/2023

General issues: The HGL reviewer changed the reason code applied to results reported as EMPCs, replacing the VJ code used by the validator (in some cases in combination with other qualifiers). The HGL reviewer also verified/completed the following formatting items:

- Reason codes were applied to the dqm_remark column instead of the approval_code column, as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that results reported with a laboratory_qualifiers of E had a reportable_result of Yes.
- The DV report qualified 24 results reported as EMPCs as U-MBL due to method blank contamination; the HGL reviewer changed the qualifier to UJ-EMPC,MBL.

PCBs as Congeners (Method 1668C)

Method Blanks: The DV report did not apply a U-MBL qualifier to several results for PCB-153/168 that were less than the qualification threshold of 156.5 pg/g. The HGL validator applied U-MBL to the PCB-153/168 results for samples SIB-SC-B10-1-2-08/11/2022, SIB-SC-B10-2-3-08/11/2022, SIB-SC-B10-3-4-08/11/2022, SIB-SC-B10-4-5-08/11/2022, SIB-SC-B10-5-6-08/11/2022, and FD-35-08/11/2022.

Equipment Blanks: Equipment blank EB07-08092022 (results reported in SDG 20186) is associated with all sediment samples collected on 8.9.22 and 8.11.22; equipment blank EB08-08212022 (results reported in SDG 20282) is associated with all sediment samples collected on 8.11.22. The DV report indicates that these EBs were either not used in qualifying sample results or not available for validator use. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB07-08092022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	40.7	40.7	203.5
PCB-8	38.5	38.5	192.5
PCB-15	13.3	13.3	66.5
PCB-16	11.1	11.1	55.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-17	11.3	11.3	56.5
PCB-18/30	25.7	25.7	128.5
PCB-25	1.73	1.73	8.65
PCB-32	6.77	6.77	33.85
PCB-35	3.12	3.12	15.6
PCB-40/71	7.38	7.38	36.9
PCB-54	1.85	1.85	9.25
PCB-99	8.01	8.01	40.05

The following results were qualified U-EBL due to contamination in EB07-08092022

- SIB-SC-I04-4-5-08/09/2022: PCB-4
- SIB-SC-I04-5-6-08/09/2022: PCB-4, -8, and 15
- SIB-SC-B10-1-2-08/11/2022: PCB-99
- SIB-SC-B10-2-3-08/11/2022: PCB-18/30 and -99
- SIB-SC-B10-3-4-08/11/2022: PCB-18/30 and -99
- SIB-SC-B10-4-5-08/11/2022: PCB-99
- SIB-SC-B10-5-6-08/11/2022: PCB-99
- FD-35-08/11/2022: PCB-18/30, PCB-32, PCB-54, and PCB-99
- SIB-SC-F04-4-5-08/11/2022: PCB-4
- SIB-SC-F04-5-6-08/11/2022: PCB-18/30

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-16	16.7	16.7	83.5
PCB-17	11.0	11.0	55.0
PCB-18/30	14.9	14.9	74.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022

- SIB-SC-G04-1-2-08/16/2022: PCB-4
- SIB-SC-G04-2-3-08/16/2022: PCB-8, and -35
- SIB-SC-G04-3-4-08/16/2022: PCB-4, -8, -16, and -19
- SIB-SC-G04-4-5-08/16/2022: PCB-8, -16, -17, -19, -27, and -32
- SIB-SC-G04-5-6-08/16/2022: PCB-8, -16, -19, -27, and -32

Field Duplicate: The DV report incorrectly indicates that SIB-SC-G04-5-6-08/16/2022 is the parent sample for FD-35-08/11/2022; this appears to be a copy and paste error; the correct field duplicate associated with this sample is FD-39-08/16/2022. The DV report correctly identifies the location of the field duplicate data as SDG 20453. The HGL reviewer confirmed that the duplicate comparison and qualification was performed correctly.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-I04-1-2-08/09/2022	None required					
SIB-SC-I04-2-3-08/09/2022	None required					
SIB-SC-I04-3-4-08/09/2022	None required					
SIB-SC-I04-4-5-08/09/2022	PCB-4	138	J	U	U	EBL
SIB-SC-I04-5-6-08/09/2022	PCB-15	44	J	U	UJ	EBL
	PCB-3	28.1	U	UJ	UJ	EMPC,MBL
	PCB-4	52.9	U	UJ	UJ	EMPC,MBL
	PCB-8	139	U	UJ	UJ	EMPC,MBL
SIB-SC-B10-1-2-08/11/2022	PCB-153/168	37.9	J	U	U	MBL
	PCB-95	32.1	U	UJ	UJ	EMPC,MBL
	PCB-99	12.6	U	UJ	UJ	EMPC,MBL
	PCB-52	21.7	U	UJ	UJ	EMPC,MBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-B10-2-3-08/11/2022	PCB-129/138/163	31.2	U	UJ	UJ	EMPC,MBL
	PCB-153/168	26.3	J	U	U	MBL
	PCB-99	12.5	J	U	U	EBL
	PCB-18/30	8.55	J	U	U	EBL
SIB-SC-B10-3-4-08/11/2022	PCB-153/168	18.1	J	U	U	MBL
	PCB-90/101/113	19.4	U	UJ	UJ	EMPC,MBL
	PCB-99	7.28	J	U	U	EBL
	PCB-52	15	U	UJ	UJ	EMPC,MBL
	PCB-66	8.27	U	UJ	UJ	EMPC,MBL
	PCB-18/30	4.59	U	UJ	UJ	EMPC,EBL
SIB-SC-B10-4-5-08/11/2022	PCB-135/151	9.49	U	UJ	UJ	EMPC,MBL
	PCB-153/168	17.4	U	UJ	UJ	EMPC,MBL
	PCB-95	14.4	U	UJ	UJ	EMPC,MBL
	PCB-99	7.55	J	UJ	UJ	EMPC,EBL
	PCB-44/47/65	16.9	U	UJ	UJ	EMPC,MBL
	PCB-52	16.4	U	UJ	UJ	EMPC,MBL
SIB-SC-B10-5-6-08/11/2022	PCB-135/151	6.73	U	UJ	UJ	EMPC,MBL
	PCB-153/168	14.5	J	U	U	MBL
	PCB-90/101/113	17.7	U	UJ	UJ	EMPC,MBL
	PCB-95	17	U	UJ	UJ	EMPC,MBL
	PCB-99	7.52	J	UJ	UJ	EMPC,EBL
	PCB-61/70/74/76	15.9	U	UJ	UJ	EMPC,MBL
	PCB-44/47/65	15.4	U	UJ	UJ	EMPC,MBL
	PCB-52	15.6	U	UJ	UJ	EMPC,MBL
FD-35-08/11/2022	PCB-2	7.15	U	UJ	UJ	EMPC,MBL
	PCB-3	6.9	U	UJ	UJ	EMPC,MBL
	PCB-153/168	42.9	J	U	U	MBL
	PCB-99	12.9	J	UJ	UJ	EMPC,EBL
	PCB-54	3.03	J	UJ	UJ	EMPC,EBL
	PCB-18/30	5.27	J	UJ	UJ	EMPC,EBL
	PCB-32	3.2	J	UJ	UJ	EMPC,EBL
SIB-SC-F04-1-2-08/11/2022	None required					
SIB-SC-F04-2-3-08/11/2022	None required					

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-F04-3-4-08/11/2022	PCB-2	72.4	U	UJ	UJ	EMPC,MBL
	PCB-3	163	U	UJ	UJ	EMPC,MBL
SIB-SC-F04-4-5-08/11/2022	PCB-4	168	J	U	U	EBL
SIB-SC-F04-5-6-08/11/2022	PCB-18/30	115	J	U	U	EBL
SIB-SC-G04-1-2-08/16/2022	PCB-4	135	J	U	U	EBL
SIB-SC-G04-2-3-08/16/2022	PCB-2	17	U	UJ	UJ	EMPC,MBL
	PCB-8	214	--	U	U	EBL
	PCB-35	25.5	J	UJ	UJ	EMPC,EBL
SIB-SC-G04-3-4-08/16/2022	PCB-4	88.7	J	U	U	EBL
	PCB-8	181	J	UJ	UJ	EMPC,EBL
	PCB-16	79.1	J	U	U	EBL
	PCB-19	23.8	J	U	U	EBL
SIB-SC-G04-4-5-08/16/2022	PCB-3	9.95	U	UJ	UJ	EMPC,MBL
	PCB-8	34.7	J	U	U	EBL
	PCB-16	25.3	J	U	U	EBL
	PCB-17	51.3	J	U	U	EBL
	PCB-19	11.9	J	U	U	EBL
	PCB-27	6.26	J	U	U	EBL
	PCB-32	26.7	J	U	U	EBL
SIB-SC-G04-5-6-08/16/2022	PCB-3	9.22	U	UJ	UJ	EMPC,MBL
	PCB-8	43.5	J	U	U	EBL
	PCB-16	32.6	J	U	U	EBL
	PCB-19	12.6	J	U	U	EBL
	PCB-27	6.39	J	U	U	EBL
	PCB-32	35.2	J	U	U	EBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20453
HGL Reviewer	Ken Rapuano 6/19/2023
HGL QC Review	Justin Hersh 7/10/2023

General issues: The HGL reviewer made several updates to the EDD file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC (replacing the VJ code used by the validator).
- Deleting calculated rows performed on database results that were erroneously included in the export for qualification.
- Ensuring that all “interpreted_qualifier” fields were appropriate for the corresponding “detect_flag” field.
- Confirming the validation reason codes were applied to the dqm_remark column as requested by the database manager.
- Confirming “Y” had been added to the “validated_yn” field for all data rows in this EDD.
- Confirming the correct field duplicate association had been made.
- The DV report qualified 25 results reported as EMPCs as U-MBL due to method blank contamination; the HGL reviewer changed the qualifier to UJ-EMPC,MBL. [This total does not include the additional qualifiers applied to PCB-61 described in “Method Blanks” below.]

PCBs as Congeners (Method 1668C)

Method Blanks: The DV report missed qualifying results for PCB-61 contamination detected in the method blank. The PCB-61 results reported for samples SIB-SC-D06-3-4-08/16/2022, SIB-SC-D06-4-5-08/16/2022, SIB-SC-D06-5-6-08/16/2022, SIB-SC-I03-3-4-08/19/2022, SIB-SC-I03-4-5-08/19/2022, and SIB-SC-I03-5-6-08/19/2022 are below the qualification threshold and the HGL reviewer added U-MBL to these results.

Equipment Blanks: Equipment blank EB08-08/21/2022 (results reported in SDG 20282) is associated with all sediment samples in this SDG. The DV report indicates that these EBs were not used in qualifying sample results. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-16	16.7	16.7	83.5
PCB-17	11.0	11.0	55.0
PCB-18/30	14.9	14.9	74.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-082162022

- FD-39-08/16/2022: PCB-8, -18, -17, -32, -16, and -48
- SIB-SC-D06-1-2-08/16/2022: PCB-8, -18, -17, -32, and -16
- SIB-SC-D06-2-3-08/16/2022: PCB-8, -42, -18, -17, -32, -16, and -40
- SIB-SC-D06-3-4-08/16/2022: PCB-99, -132, -40, -84, and -92
- SIB-SC-D06-4-5-08/16/2022: PCB-99
- SIB-SC-H02-1-2-08/18/2022: PCB-4
- SIB-SC-H02-2-3-08/18/2022: PCB-4
- SIB-SC-H02-3-4-08/18/2022: PCB-4
- SIB-SC-H02-4-5-08/18/2022: PCB-8, -35, -19, -27, -32, and -16
- SIB-SC-H02-5-6-08/18/2022: PCB-8, -18, -17, -19, -32, and -16
- SIB-SC-I03-0-1-08/19/2022: PCB-8, -19, -27, -32, and -16
- SIB-SC-I03-1-2-08/19/2022: PCB-8, -42, -18, -17, -32, -16, -40, and -48
- SIB-SC-I03-2-3-08/19/2022: PCB-18, -18, -17, -35, -19, -27, -32, -16, and -48
- SIB-SC-I03-3-4-08/19/2022: PCB-18, -99, -132, -174, -32, -84, -179, and -183
- SIB-SC-I03-4-5-08/19/2022: PCB-18, -35, -174, and -179
- SIB-SC-I03-5-6-08/19/2022: PCB-18, -17, -99, -174, and -179

Field Duplicate: The DV report for SDG 20454 indicates that the parent sample for field duplicate FD-46-08/19/2022 is sample SIB-SC-I03-3-4-08192022, with results reported in this SDG. The incorrect association was provided to the data validators and the correct parent sample is SIB-SC-I03-2-3-08192022, with results reported in this SDG. The following discrepancies were noted, and the appropriate qualification was applied to sample SIB-SC-I03-2-3-08192022:

- PCB-52, PCB-90/101/113, PCB-92, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-129/138/163, PCB-132, PCB-135/151, PCB-146, PCB-147/149, PCB-153/168, PCB-174, PCB-180/193, and PCB-187 did not meet the absolute difference criterion and were qualified J-FDPA or UJ-FDPA.

The DV report incorrectly indicates that FD-35-08/11/2022 is the field duplicate for sample SIB-SC-G04-5-6-08/16/2022; this appears to be a copy and paste error and the correct field duplicate associated with this sample is FD-39-08/16/2022. The DV report correctly identifies the location of the parent sample data as SDG 20452. The HGL reviewer confirmed that the duplicate comparison and qualification was performed correctly.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
FD-39-08/16/2022	PCB-8	13.3	J	UJ	UJ	EMPC,EBL
	PCB-18/30	39.1	--	U	U	EBL
	PCB-17	25.5	--	U	U	EBL
	PCB-32	16.9	J	UJ	UJ	EMPC,EBL
	PCB-16	12.8	J	UJ	UJ	EMPC,EBL
	PCB-48	22.7	--	U	U	EBL
SIB-SC-D06-1-2-08/16/2022	PCB-8	16.2	--	U	U	EBL
	PCB-11	63.8	U	UJ	UJ	EMPC,MBL
	PCB-18/30	20.5	--	U	U	EBL
	PCB-17	15.7	J	UJ	UJ	EMPC,EBL
	PCB-32	10.2	J	UJ	UJ	EMPC,EBL
	PCB-16	8.49	J	UJ	UJ	EMPC,EBL
SIB-SC-D06-2-3-08/16/2022	PCB-8	14.7	J	UJ	UJ	EMPC,EBL
	PCB-42	14.6	--	U	U	EBL
	PCB-18/30	18.8	--	U	U	EBL
	PCB-17	11.2	--	U	U	EBL
	PCB-32	9.92	--	U	U	EBL
	PCB-16	7.48	J	UJ	UJ	EMPC,EBL
	PCB-40/71	22.9	--	U	U	EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-D06-3-4-08/16/2022	PCB-61/70/74/76	26.3	J	UJ	UJ	EMPC,MBL
	PCB-99	23.5	J	UJ	UJ	EMPC,EBL
	PCB-132	20.6	J	UJ	UJ	EMPC,EBL
	PCB-40/71	7.36	--	U	U	EBL
	PCB-84	9.99	J	UJ	UJ	EMPC,EBL
	PCB-92	13.2	--	U	U	EBL
	PCB-31	11	U	UJ	UJ	EMPC,MBL
	PCB-20/28	15.9	U	UJ	UJ	EMPC,MBL
	PCB-86/87/97/109/119/125	23.8	U	UJ	UJ	EMPC,MBL
	PCB-21/33	10.3	U	UJ	UJ	EMPC,MBL
SIB-SC-D06-4-5-08/16/2022	PCB-61/70/74/76	8.34	--	U	U	MBL
	PCB-99	3.76	--	U	U	EBL
	PCB-118	4.77	U	UJ	UJ	EMPC,MBL
	PCB-180/193	5.89	U	UJ	UJ	EMPC,MBL
	PCB-20/28	9.09	U	UJ	UJ	EMPC,MBL
	PCB-21/33	5.09	U	UJ	UJ	EMPC,MBL
SIB-SC-D06-5-6-08/16/2022	PCB-61/70/74/76	9.02	J	UJ	UJ	EMPC,MBL
	PCB-31	8.21	U	UJ	UJ	EMPC,MBL
	PCB-11	88.1	U	UJ	UJ	EMPC,MBL
	PCB-118	4.12	U	UJ	UJ	EMPC,MBL
	PCB-180/193	4.61	U	UJ	UJ	EMPC,MBL
	PCB-129/138/163	5.74	U	UJ	UJ	EMPC,MBL
SIB-SC-H02-0-1-08/18/2022	PCB-90/101/113	7.77	U	UJ	UJ	EMPC,MBL
SIB-SC-H02-0-1-08/18/2022	None required					
SIB-SC-H02-1-2-08/18/2022	PCB-4	112	--	U	U	EBL
SIB-SC-H02-2-3-08/18/2022	PCB-4	158	--	U	U	EBL
SIB-SC-H02-3-4-08/18/2022	PCB-4	81.6	--	U	U	EBL
SIB-SC-H02-4-5-08/18/2022	PCB-8	35.6	--	U	U	EBL
	PCB-35	11.7	J	UJ	UJ	EMPC,EBL
	PCB-19	5.91	J	UJ	UJ	EMPC,EBL
	PCB-27	7.57	J	UJ	UJ	EMPC,EBL
	PCB-32	29.5	--	U	U	EBL
	PCB-16	25	--	U	U	EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-H02-5-6-08/18/2022	PCB-8	11.9	J	UJ	UJ	EMPC,EBL
	PCB-11	43.4	U	UJ	UJ	EMPC,MBL
	PCB-18/30	21.2	J	UJ	UJ	EMPC,EBL
	PCB-17	15.7	--	U	U	EBL
	PCB-19	7.62	J	UJ	UJ	EMPC,EBL
	PCB-32	6.37	--	U	U	EBL
	PCB-16	5.87	J	UJ	UJ	EMPC,EBL
SIB-SC-I03-0-1-08/19/2022	PCB-8	32.4	--	U	U	EBL
	PCB-11	36.0	U	UJ	UJ	EMPC,MBL
	PCB-19	9.84	--	U	U	EBL
	PCB-27	6.89	J	UJ	UJ	EMPC,EBL
	PCB-32	36.8	--	U	U	EBL
	PCB-16	21.8	J	UJ	UJ	EMPC,EBL
SIB-SC-I03-1-2-08/19/2022	PCB-8	8.19	J	UJ	UJ	EMPC,EBL
	PCB-42	23.3	J	UJ	UJ	EMPC,EBL
	PCB-18/30	14.8	J	UJ	UJ	EMPC,EBL
	PCB-17	11.1	--	U	U	EBL
	PCB-32	5.93	--	U	U	EBL
	PCB-16	4.69	J	UJ	UJ	EMPC,EBL
	PCB-40/71	34.7	--	U	U	EBL
	PCB-48	8.49	--	U	U	EBL
SIB-SC-I03-2-3-08/19/2022	PCB-118	682	--	J	J	FDPA
	PCB-8	18.9	J	UJ	UJ	EMPC,EBL
	PCB-153/168	1280	--	J	J	FDPA
	PCB-180/193	655	--	J	J	FDPA
	PCB-52	516	--	J	J	FDPA
	PCB-18/30	36.8	--	U	U	EBL
	PCB-17	29.3	--	U	U	EBL
	PCB-35	5.43	J	UJ	UJ	EMPC,EBL
	PCB-95	882	--	J	J	FDPA
	PCB-99	509	--	J	J	FDPA
	PCB-110/115	1090	--	J	J	FDPA
PCB-132	421	--	J	J	FDPA	

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-I03-2-3-08/19/2022 (continued)	PCB-174	321	--	J	J	FDPA
	PCB-19	4.29	J	UJ	UJ	EMPC,EBL
	PCB-27	3.58	J	UJ	UJ	EMPC,EBL
	PCB-32	15.4	--	U	U	EBL
	PCB-16	12.6	--	U	U	EBL
	PCB-146	324	--	J	J	FDPA
	PCB-92	295	--	J	J	FDPA
	PCB-187	464	--	J	J	FDPA
	PCB-135/151	600	--	J	J	FDPA
	PCB-129/138/163	1280	--	J	J	FDPA
	PCB-90/101/103	1100	--	J	J	FDPA
	PCB-147/149	1370	--	J	J	FDPA
	PCB-48	23.4	J	UJ	UJ	EMPC,EBL
SIB-SC-I03-3-4-08/19/2022	PCB-61/70/74/76	13.6	--	U	U	MBL
	PCB-18/30	4.76	J	UJ	UJ	EMPC,EBL
	PCB-99	6.42	--	U	U	EBL
	PCB-132	4.34	--	U	U	EBL
	PCB-174	3.56	J	UJ	UJ	EMPC,EBL
	PCB-32	2.76	J	UJ	UJ	EMPC,EBL
	PCB-84	4.03	--	U	U	EBL
	PCB-179	2.05	J	UJ	UJ	EMPC,EBL
	PCB-183/185	3.18	--	U	U	EBL
	PCB-118	8.17	U	UJ	UJ	EMPC,MBL
	PCB-129/138/163	13	U	UJ	UJ	EMPC,MBL
SIB-SC-I03-4-5-08/19/2022	PCB-61/70/74/76	11.8	J	UJ	UJ	EMPC,MBL
	PCB-18/30	2.51	J	UJ	UJ	EMPC,EBL
	PCB-31	2.36	U	UJ	UJ	EMPC,MBL
	PCB-35	2.68	J	UJ	UJ	EMPC,EBL
	PCB-174	2.63	--	U	U	EBL
	PCB-179	1.61	J	UJ	UJ	EMPC,EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-I03-5-6-08/19/2022	PCB-61/70/74/76	8.46	J	UJ	UJ	EMPC,MBL
	PCB-18/30	2.43	J	UJ	UJ	EMPC,EBL
	PCB-17	2.35	--	U	U	EBL
	PCB-99	2.41	--	U	U	EBL
	PCB-174	2.22	J	UJ	UJ	EMPC,EBL
	PCB-179	1.37	J	UJ	UJ	EMPC,EBL
	PCB-11	42.7	U	UJ	UJ	EMPC,MBL
	PCB-118	3.81	U	UJ	UJ	EMPC,MBL
	PCB-153/168	5.34	U	UJ	UJ	EMPC,MBL
	PCB-180/193	3.78	U	UJ	UJ	EMPC,MBL
PCB-110/115	5.97	U	UJ	UJ	EMPC,MBL	

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20454
HGL Reviewer	Ken Rapuano 5/26/2023
HGL QC Review	Justin Hersh 7/10/2023

General issues: The HGL reviewer changed the reason code applied to results reported as EMPCs, replacing the VJ code used by the validator (in some cases in combination with other qualifiers). The HGL reviewer also verified/completed the following formatting items:

- Reason codes were applied to the dqm_remark column instead of the approval_code column, as requested by the database manager.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- The HGL reviewer verified that the validated_yn field was populated with Y for all rows.
- The HGL reviewer verified that results reported with a laboratory_qualifiers of E had a reportable_result of Yes.
- The DV report qualified 49 results reported as EMPCs as U-MBL due to method blank contamination; the HGL reviewer changed the qualifier to UJ-EMPC,MBL.

PCBs as Congeners (Method 1668C)

Equipment Blanks: Equipment blank EB08-08/21/2022 is associated with all sediment samples collected on 8.19.22 and 8.21.22; equipment blank EB09-08/24/2022 is associated with all sediment samples collected on 8.24.22; results for both EBs are reported in SDG 20282. The DV report indicates that these EBs were not used in qualifying sample results. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB08-08212022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.7	31.7	158.5
PCB-8	43.3	43.3	216.5
PCB-16	16.7	16.7	83.5
PCB-17	11.0	11.0	55.0
PCB-18/30	14.9	14.9	74.5
PCB-19	6.66	6.66	33.3
PCB-27	2.99	2.99	14.95
PCB-32	8.12	8.12	40.6

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-35	5.6	5.6	28
PCB-40/71	8.22	8.22	41.1
PCB-42	5.46	5.46	27.3
PCB-48	5.08	5.08	25.4
PCB-84	8.55	8.55	42.75
PCB-92	6.32	6.32	31.6
PCB-99	12.5	12.5	62.5
PCB-132	4.77	4.77	23.85
PCB-174	2.39	2.39	11.95
PCB-179	1.32	1.32	6.6
PCB-183/185	2.11	2.11	10.55

The following results were qualified U-EBL due to contamination in EB08-08212022

- FD-46-08/19/2022: PCB-42, -84, -92, -99, -132, -174, and -183/185
- SIB-SC-J03-3-4-08/19/2022: PCB-8, -16, and -35
- SIB-SC-J03-4-5-08/19/2022: PCB-8, -16, and -35
- SIB-SC-J03-5-6-08/19/2022: PCB-8, -16, -18/30, and -35
- SIB-SC-L07-1-2-08/21/2022: PCB-16 and -27
- SIB-SC-L07-2-3-08/21/2022: PCB-42, -48, -84, -92, and -99
- SIB-SC-L07-3-4-08/21/2022: PCB-42, -84, -92, -99, and 132
- SIB-SC-L07-4-5-08/21/2022: PCB-84, -92, -132, and -183/185
- SIB-SC-L07-5-6-08/21/2022: PCB-84, -92, and -132
- FD-49-08/21/2022: PCB-16; five additional results with EBL added to MBL.

EB09-08242022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.2	31.2	156
PCB-8	53.1	53.1	165.5
PCB-15	24.6	24.6	123
PCB-16	16.7	16.7	83.5
PCB-17	13.7	13.7	68.5
PCB-18/30	32.5	32.5	162.5
PCB-19	6.56	6.56	32.8
PCB-25	3.36	3.36	16.8
PCB-32	9.22	9.22	46.1
PCB-35	5.27	5.27	26.35

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-40/71	9.04	9.04	45.2
PCB-42	5.64	5.64	28.2
PCB-48	5.44	5.44	27.2
PCB-99	13.1	13.1	65.5
PCB-132	5.07	5.07	25.35
PCB-174	3.49	3.49	17.45
PCB-179	2.15	2.15	10.75
PCB-183/185	3.82	3.82	19.1
PCB-202	1.93	1.93	9.65

The following results were qualified U-EBL due to contamination in EB09-08242022

- SIB-SC-R06-1-2-08/22/2022: PCB-15, -16, -18/30, and -35; two additional results with EBL added to MBL.
- SIB-SC-R06-2-3-08/22/2022: PCB-15, -16, -17, -18/30, -25, -32, -48; three additional results with EBL added to MBL.
- SIB-SC-R06-3-4-08/22/2022: PCB-4, -8, -15, -16, -18/30, and -35
- SIB-SC-R06-4-5-08/22/2022: PCB-4, -16, and -35
- SIB-SC-R06-5-6-08/22/2022: PCB-4 and -16

Field Duplicate: The DV report indicates that the parent sample for field duplicate FD-46-08/19/2022 is sample SIB-SC-I03-3-4-08192022. The incorrect association was provided to the data validators and the correct parent sample is SIB-SC-I03-2-3-08192022 (results reported in SDG 20453). The following discrepancies were noted:

- PCB-52, PCB-90/101/113, PCB-92, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-129/138/163, PCB-132, PCB-135/151, PCB-146, PCB-147/149, PCB-153/168, PCB-174, PCB-180/193, and PCB-187 did not meet the absolute difference criterion and were qualified J-FDPA or UJ-FDPA.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
FD-46-08/19/2022	PCB-1	8.46	U	UJ	UJ	EMPC,MBL
	PCB-4	49.9	U	U	U	MBL,EBL
	PCB-8	31.5	U	UJ	UJ	EMPC,MBL,EBL
	PCB-174	11.2	J	UJ	UJ	EMPC,EBL,FDPA
	PCB-183/185	8.76	J	UJ	UJ	EMPC,EBL
	PCB-128/166	4.01	U	UJ	UJ	EMPC,MBL
	PCB-132	14.8	J	UJ	UJ	EMPC,EBL,FDPA
	PCB-208	2.27	J	UJ	UJ	EMPC,MBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
FD-46-08/19/2022 (continued)	PCB-197/200	1.99	J	UJ	UJ	EMPC,MBL
	PCB-84	6.12	J	U	U	EBL
	PCB-92	14.3	J	UJ	UJ	EBL,FDPA
	PCB-99	35.1	J	U	U	EBL,FDPA
	PCB-105	5.62	U	UJ	UJ	EMPC,MBL
	PCB-40/71	10.3	U	U	U	MBL,EBL
	PCB-42	6.94	J	U	U	EBL
	PCB-17	8.14	U	UJ	UJ	EMPC,MBL
	PCB-18/30	8.82	U	U	U	MBL,EBL
	PCB-19	8.87	U	UJ	UJ	EMPC,MBL,EBL
	PCB-26/29	4.15	U	UJ	UJ	EMPC,MBL
	PCB-27	4.04	U	U	U	MBL,EBL
	PCB-32	7.43	U	UJ	UJ	EMPC,MBL,EBL
	PCB-180/193	27.4	J	J	J	FDPA
	PCB-187	20.8	J	J	J	FDPA
	PCB-129/138/163	39.8	U	UJ	UJ	MBL,FDPA
	PCB-135/151	33	J	J	J	FDPA
	PCB-147/149	74.1	J	J	J	FDPA
	PCB-153/168	60.7	J	J	J	FDPA
	PCB-90/101/113	52.5	J	J	J	FDPA
	PCB-95	41.7	J	J	J	FDPA
PCB-110/115	33.3	U	UJ	UJ	MBL,FDPA	
PCB-118	18.5	U	UJ	UJ	MBL,FDPA	
PCB-52	35.9	U	UJ	UJ	MBL,FDPA	
SIB-SC-J03-0-1-08/19/2022	None required					
SIB-SC-J03-1-2-08/19/2022	None required					
SIB-SC-J03-2-3-08/19/2022	None required					
SIB-SC-J03-3-4-08/19/2022	PCB-4	87.4	U	U	U	MBL,EBL
	PCB-8	137	--	U	U	EBL
	PCB-16	58.4	J	U	U	EBL
	PCB-35	22.7	J	U	U	EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-J03-4-5-08/19/2022	PCB-1	8.41	U	UJ	UJ	EMPC,MBL
	PCB-4	79	U	U	U	MBL,EBL
	PCB-8	119	J	U	U	EBL
	PCB-16	25.7	J	U	U	EBL
	PCB-35	18.6	J	U	U	EBL
SIB-SC-J03-5-6-08/19/2022	PCB-4	56.1	U	U	U	MBL,EBL
	PCB-8	49.6	U	U	U	MBL,EBL
	PCB-16	18.3	J	U	U	EBL
	PCB-18/30	57.7	J	U	U	EBL
	PCB-19	14.6	U	U	U	MBL,EBL
	PCB-27	7.49	U	U	U	MBL,EBL
	PCB-32	23.1	J	U	U	EBL
SIB-SC-L07-1-2-08/21/2022	PCB-4	40.3	U	U	U	MBL,EBL
	PCB-8	53.8	U	U	U	MBL,EBL
	PCB-16	49.4	J	U	U	EBL
	PCB-19	21	U	U	U	MBL,EBL
	PCB-27	13.5	U	UJ	UJ	EMPC,EBL
SIB-SC-L07-2-3-08/21/2022	PCB-1	2.77	U	UJ	UJ	EMPC,MBL
	PCB-4	28.6	U	U	U	MBL,EBL
	PCB-8	10	U	U	U	MBL,EBL
	PCB-84	21.8	J	UJ	UJ	EMPC,EBL
	PCB-92	29.3	J	U	U	EBL
	PCB-99	61.1	J	U	U	EBL
	PCB-40/71	16.1	U	U	U	MBL,EBL
	PCB-42	6.94	J	UJ	UJ	EMPC,EBL
	PCB-48	4.17	J	UJ	UJ	EMPC,EBL
	PCB-18/30	6.33	U	UJ	UJ	EMPC,MBL,EBL
	PCB-19	7.12	U	U	U	MBL,EBL
	PCB-26/29	2.2	U	UJ	UJ	EMPC,MBL
	PCB-27	3.16	U	UJ	UJ	EMPC,MBL,EBL
PCB-32	7.12	U	U	U	MBL,EBL	

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-L07-3-4-08/21/2022	PCB-4	26.4	U	U	U	MBL,EBL
	PCB-8	12.6	U	UJ	UJ	EMPC,MBL,EBL
	PCB-132	20.6	J	U	U	EBL
	PCB-197/200	2.69	U	UJ	UJ	EMPC,MBL
	PCB-84	11.5	J	U	U	EBL
	PCB-92	14.7	J	U	U	EBL
	PCB-99	28.4	J	U	U	EBL
	PCB-40/71	17.4	U	U	U	MBL,EBL
	PCB-42	5.6	J	U	U	EBL
	PCB-56	5.8	U	UJ	UJ	EMPC,MBL
	PCB-18/30	7.28	U	U	U	MBL,EBL
	PCB-19	7.94	U	UJ	UJ	EMPC,MBL,EBL
	PCB-22	4.19	U	UJ	UJ	EMPC,MBL
	PCB-21/33	7.08	U	UJ	UJ	EMPC,MBL
	PCB-27	3.35	U	UJ	UJ	EMPC,MBL,EBL
	PCB-31	9.63	U	UJ	UJ	EMPC,MBL
PCB-32	7.81	U	U	U	MBL,EBL	
SIB-SC-L07-4-5-08/21/2022	PCB-209	3.96	U	UJ	UJ	EMPC,MBL
	PCB-4	26.2	U	U	U	MBL,EBL
	PCB-8	11.9	U	UJ	UJ	EMPC,MBL,EBL
	PCB-183/185	4.05	J	U	U	EBL
	PCB-128/166	2.55	U	UJ	UJ	EMPC,MBL
	PCB-132	5.84	J	U	U	EBL
	PCB-198/199	3.19	U	UJ	UJ	EMPC,MBL
	PCB-84	3.12	J	UJ	UJ	EMPC,EBL
	PCB-92	3.86	J	U	U	EBL
	PCB-99	6.77	U	U	U	MBL,EBL
	PCB-40/71	4.98	U	UJ	UJ	EMPC,MBL,EBL
	PCB-56	3.98	U	UJ	UJ	EMPC,MBL
	PCB-66	7.22	U	UJ	UJ	EMPC,MBL
	PCB-17	6.27	U	UJ	UJ	EMPC,MBL
PCB-18/30	5.77	U	UJ	UJ	EMPC,MBL,EBL	
PCB-19	7.99	U	UJ	UJ	EMPC,MBL,EBL	

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-L07-4-5-08/21/2022 (continued)	PCB-32	4.86	U	U	U	MBL,EBL
SIB-SC-L07-5-6-08/21/2022	PCB-1	2.93	U	UJ	UJ	EMPC,MBL
	PCB-209	4.35	U	UJ	UJ	EMPC,MBL
	PCB-4	23.3	U	U	U	MBL,EBL
	PCB-8	10.6	U	UJ	UJ	EMPC,MBL,EBL
	PCB-11	74.1	U	UJ	UJ	EMPC,MBL
	PCB-128/166	6.23	U	UJ	UJ	EMPC,MBL
	PCB-132	10.7	J	U	U	EBL
	PCB-206	7.17	U	UJ	UJ	EMPC,MBL
	PCB-208	3.19	U	UJ	UJ	EMPC,MBL
	PCB-194	12.6	U	UJ	UJ	EMPC,MBL
	PCB-84	4.43	U	UJ	UJ	EMPC,EBL
	PCB-92	4.64	J	U	U	EBL
	PCB-99	8.65	U	U	U	MBL,EBL
	PCB-40/71	3.75	U	U	U	MBL,EBL
	PCB-66	6.38	U	UJ	UJ	EMPC,MBL
	PCB-18/30	5.61	U	UJ	UJ	EMPC,MBL,EBL
	PCB-21/33	5.65	U	UJ	UJ	EMPC,MBL
	PCB-32	4.32	U	UJ	UJ	EMPC,MBL,EBL
FD-49-08/21/2022	PCB-1	6.54	U	UJ	UJ	EMPC,MBL
	PCB-4	28.7	U	UJ	UJ	EMPC,MBL,EBL
	PCB-8	53.9	U	U	U	MBL,EBL
	PCB-16	41.4	J	U	U	EBL
	PCB-19	18.8	U	U	U	MBL,EBL
	PCB-27	13	U	U	U	MBL,EBL
SIB-SC-R06-1-2-08/22/2022	PCB-15	33	J	U	U	EBL
	PCB-4	70.8	U	U	U	MBL,EBL
	PCB-8	55	U	U	U	MBL,EBL
	PCB-16	33.3	J	U	U	EBL
	PCB-18/30	84.8	J	U	U	EBL
	PCB-35	9.13	J	UJ	UJ	EMPC,EBL

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-R06-2-3-08/22/2022	PCB-1	8.26	U	UJ	UJ	EMPC,MBL
	PCB-15	20.9	U	UJ	UJ	EMPC,EBL
	PCB-4	56	J	U	U	MBL,EBL
	PCB-8	42.6	U	U	U	MBL,EBL
	PCB-48	22.8	J	U	U	EBL
	PCB-77	14.1	U	UJ	UJ	EMPC,MBL
	PCB-16	20.4	J	U	U	EBL
	PCB-17	41.7	J	U	U	EBL
	PCB-18/30	51.3	J	U	U	EBL
	PCB-19	22.1	U	U	U	MBL,EBL
	PCB-25	11.6	J	U	U	EBL
	PCB-32	28	J	U	U	EBL
SIB-SC-R06-3-4-08/22/2022	PCB-15	123	J	U	U	EBL
	PCB-4	111	J	U	U	EBL
	PCB-8	122	J	U	U	EBL
	PCB-16	57.7	J	U	U	EBL
	PCB-18/30	140	J	U	U	EBL
	PCB-35	22.1	J	UJ	UJ	EMPC,EBL
SIB-SC-R06-4-5-08/22/2022	PCB-4	145	J	U	U	EBL
	PCB-16	71.2	J	U	U	EBL
	PCB-35	22.8	J	UJ	UJ	EMPC,EBL
SIB-SC-R06-5-6-08/22/2022	PCB-4	137	J	U	U	EBL
	PCB-16	77.7	J	U	U	EBL

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	MCGI
Laboratory	Cape Fear Analytical (CFA)
SDG	20455
HGL Reviewer	Ken Rapuano 5.8.23
HGL QC Review	Deanna Valdebenito (5/25/23)

General issues: Note – many of the validation discrepancies identified below are due to the speed with which this validation firm was brought onboard to support this project with limited instruction. As a result, the HGL Project Chemist prepared a Consistency Memorandum and distributed it to all three validation firms in order to provide guidance on validation approaches and instructions on how to complete the EDD for qualifier/reason code upload.

The validator applied all qualifiers in the validation_qualifiers field and did not populate the interpreted_qualifiers field. **The HGL reviewer populated the interpreted_qualifiers field with either the final qualifier for PCB congener results or with the laboratory_qualifiers field for surrogates, calculated values, and QC samples.** The validator also did not apply reason codes. **The HGL reviewer populated the approval_code field with the reason codes applicable to each result.**

The DV report indicated that the U1 qualifier was used to differentiate results qualified as artifacts due to blank contamination from results reported non-detections by the laboratory. This U1 qualifier was applied in the validation_qualifiers; all U1 qualifiers that remained after the HGL revisions described below were retained. **The HGL reviewer applied the standard U qualifier to the interpreted_qualifiers field.**

The validator populated the laboratory_qualifiers field with X for all QC samples; this was approved by the HGL reviewer. The HGL reviewer added the X flag to spiked compounds and surrogates as a convenience in filtering the file.

The HGL reviewer applied Y to the validated_yn field in this SDG.

PCB Congeners – 1668C

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. The PCB-95 result for sample SIB-SC-N07-1-2-08242022 was reported from above the calibrated range. The validator correctly qualified the affected result J, although this was misstated as “UJ” in the data validation report. **The PCB-95 result for sample SIB-SC-N07-1-2-08242022 has reason code ACR applied and the reportable_result field from “No” to “Yes”.**
2. The validator applied a J qualifier to all results reported as coeluters. This is not required. **The HGL reviewer removed the J qualifier applied to all coeluting results that are \geq LOQ and not qualified for another reason.**
3. The validator correctly applied a J qualifier to all results reported as EMPCs (results reported with a K in the laboratory_qualifiers field). **The HGL reviewer added “EMPC” to the approval_code field for all EMPCs.**

- The laboratory reported the PCB-176 result for sample SIB-SC-N07-2-3-08/24/2022 qualified KU. The validator applied a UJ qualifier to this result; however, in the judgment of the HGL reviewer, high bias does not affect this non-detected result. **The HGL reviewer changed the PCB-176 result for sample SIB-SC-N07-2-3-08/24/2022 from UJ to J.**

Method Blanks: The validator did not change the detected_yn field from Y to N for results that were qualified U due to blank contamination. **The HGL reviewer changed this field for all results qualified U due to blank contamination, modified as described below.**

- The validator applied the blank qualification guidelines from the NFG instead of the “5x” convention. All target analytes are known contaminants or classes of contaminants at the site and project data is being used to support engineering design for remedial action not site characterization. Also, non-detected project data are being reported as MDL U instead of the CLP convention of PQL U. As the NFG protocols lead to a potential overqualification of data, the older 5x rule will be used for this project. **The HGL reviewer removed the U1 from the laboratory_qualifiers field for all result that were >5x the corresponding blank concentration (adjusted for dilution), regardless of whether the corresponding result was <PQL or ≥PQL. The HGL reviewer removed the J+ qualifier from all results ≥PQL that were ≥5x the corresponding blank concentration. The HGL reviewer added MBL or MBH to the approval_code field for all results qualified U due to method blank contamination.**
- Based on HGL reviewer judgment, two results that were at the upper end of the qualification level calculated using the 5x rule were qualified J instead of U. **The PCB-8 result for sample SIB-SC-J08-4-5-09012022 and the PCB-95 result for sample SIB-SC-N07-2-3-08242022 were qualified J-MBHB by the HGL reviewer.**
- The HGL reviewer changed the qualification of 60 results reported as EMPCs from U-MBL to UJ-EMPC,MBL.**

Equipment Blanks: Equipment blank EB09-08242022 (results reported in SDG 20282) is associated with all sediment samples collected from 8.22.22 through 8.25.22; equipment blank EB10-09052022 (results reported in SDG 20341) is associated with all sediment samples collected from 9.1.22 through 9.5.22. It does not appear as if these EBs were used in qualifying sample results. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution.

EB EB09-08242022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-4	31.2	31.2	156
PCB-8	53.1	53.1	265.5
PCB-15	24.6	24.6	123
PCB-16	16.7	16.7	83.5
PCB-17	13.7	13.7	68.5
PCB-18/30	32.5	32.5	162.5
PCB-25	3.36	3.36	16.8
PCB-32	9.22	9.22	46.1
PCB-35	5.27	5.27	26.35
PCB-40/71	9.04	9.04	45.2

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-42	5.64	5.64	28.2
PCB-48	5.44	5.44	27.2
PCB-99	13.1	13.1	65.5
PCB-132	5.07	5.07	25.35
PCB-174	3.49	3.49	17.45
PCB-179	2.15	2.15	10.75
PCB-183/185	3.82	3.82	19.1
PCB-202	1.93	1.93	9.65

EB10-09052022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-9	5.01	5.01	25.05
PCB-15	6.15	6.15	30.75
PCB-49/69	6.97	6.97	34.85
PCB-50/53	4.31	4.31	21.55
PCB-99	3.44	3.44	17.2
PCB-135/151	2.85	2.85	14.25
PCB-147/149	4.09	4.09	20.45
PCB-180/193	2.16	2.16	10.8

MS/MSD: The validation report correctly noted the high MS and MSD %R for PCB-118; however, the validator did not apply a J qualifier to the PCB-118 result in parent sample SIB-SC-R02-3-4-08/22/2022. **The HGL reviewer qualified the PCB-118 result for SIB-SC-R02-3-4-08/22/2022 with J-MSH.**

Field Duplicates: The validator qualified the PCB-8 results J in duplicate pair SIB-SC-B07-0-1-09/05/2022 / FD-58-09/05/2022; the results for this compound were <5x LOQ and had absolute difference <2x LOQ. **No qualification is required and the HGL reviewer removed the J qualifiers.**

Qualification Modification Table (all results in pg/g)

Due to the number of changes, the revisions made by the HGL reviewer that are bolded in this review memo are documented in the green shaded cells in the file 200455_EDD_T_HGL_QCTrack.xlsx and 200455_EDD_T_HGL_EBUpdate.xlsx.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	MCGI
Laboratory	Cape Fear Analytical (CFA)
SDG	20465
HGL Reviewer	Ken Rapuano 5.8.23
HGL QC Review	Deanna Valdebenito (5/25/23)

General issues: Note – many of the validation discrepancies identified below are due to the speed with which this validation firm was brought onboard to support this project with limited instruction. As a result, the HGL Project Chemist prepared a Consistency Memorandum and distributed it to all three validation firms in order to provide guidance on validation approaches and instructions on how to complete the EDD for qualifier/reason code upload.

The validator applied all qualifiers in the validation_qualifiers field and did not populate the interpreted_qualifiers field. **The HGL reviewer populated the interpreted_qualifiers field with either the final qualifier for 2,3,7,8-substituted congener results or with the laboratory_qualifiers field for surrogates, calculated values, and QC samples.** The validator also did not apply reason codes. **The HGL reviewer populated the approval_code field with the reason codes applicable to each result.**

The DV report indicated that the U1 qualifier was used to differentiate results qualified as artifacts due to blank contamination from results reported non-detections by the laboratory. This U1 qualifier was applied in the validation_qualifiers; all U1 qualifiers that remained after the HGL revisions described below were retained. **The HGL reviewer applied the standard U qualifier to the interpreted_qualifiers field.**

The validator populated the laboratory_qualifiers field with X for all QC samples; this was approved by the HGL reviewer. The HGL reviewer added the X flag to spiked compounds and surrogates as a convenience in filtering the file.

The HGL reviewer applied Y to the validated_yn field in this SDG.

PCDD/PCDFs – 1613B

Reported Results: In several cases, the qualified EDD did not have the correct entry in the “reportable_result” or “detected” fields.

1. Seven results for OCDD and one result for total HpCDD were reported from above the calibrated range. The validator correctly qualified the affected OCDD results J. **The J-qualified OCDD results reported above the calibrated range should have reason code ACR applied.** The total HpCDD results do not require qualification; however, all 12 results were reported by the laboratory with the reportable_result field populated with “No”. **The reportable_result field for all OCDD and total HpCDD results reported with a laboratory_qualifiers of E should be changed from “No” to “Yes”.**
2. The laboratory reanalyzed 2,3,7,8-TCDF results on the DB-225 column when this analyte was reported >PQL in a sample. When there were two 2,3,7,8-TCDF results reported for a sample, the data validator correctly did not select which of the reported pair of results was the

usable result. The HGL reviewer selected the results reported from the DB-225 column as the usable result and qualified the corresponding result from the DB-5MS column DNR-EXC and changed the “reportable_result” field from “Yes” to “No”. **The 2,3,7,8-TCDF results \geq LOQ reported from the DB-5MS column (results \geq LOQ reported from instrument HRP750_2) should be qualified EXC-DNR and have the “reportable_result” field should be changed from Yes to No.**

3. The validator correctly applied a J qualifier to all results reported as EMPCs (results reported with a K in the laboratory_qualifiers field). **The HGL reviewer added “EMPC” to the approval_code field for all EMPCs.**

Method Blanks: The validator did not change the detected_yn field from Y to N for results that were qualified U due to blank contamination. **The HGL reviewer changed this field for all results qualified U due to blank contamination, modified as described below.**

1. The validator applied the blank qualification guidelines from the NFG instead of the “5x” convention. All target analytes are known contaminants or classes of contaminants at the site and project data is being used to support engineering design for remedial action not site characterization. Also, non-detected project data are being reported as MDL U instead of the CLP convention of PQL U. As the NFG protocols lead to a potential overqualification of data, the older 5x rule will be used for this project. The HGL reviewer removed the U1 from the laboratory_qualifiers field for all result that were $>5x$ the corresponding blank concentration (adjusted for dilution), regardless of whether the corresponding result was $<$ LOQ or \geq LOQ. **The HGL reviewer added MBL to the approval_code field for all results qualified U due to method blank contamination.**
2. The validator applied U qualifiers to non-2,3,7,8-substituted results based on the “B” flag in the laboratory_qualifiers field; however, these results do not require qualification. **The HGL reviewer replaced the validated_qualifiers and interpreted_qualifiers field with the laboratory_qualifiers field contents.**

Qualification Modification Table (all results in pg/g)

Due to the number of changes, the revisions made by the HGL reviewer that are bolded in this review memo are documented in the green shaded cells in the file 200465_EDD_T_HGL_QCTrack.xlsx.

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20466
HGL Reviewer	Ken Rapuano 5/17/2023
HGL QC Check by	Deanna Valdebenito 5/18/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (115x results, in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples).
- Changing reportable_result from Yes to No and changing detect_flag from N to Y for 2,3,7,8-TCDF results qualified DNR-EXC by the validator (0x 2,3,7,8-TCDF results – all correct in this SDG).
- Changing the reportable_result from No to Yes for results reported with a lab_qualifiers of E (1x OCDD results; appears to be an oversight as others are correct).

Dioxins/Furans – E1613B

SRM Sample: The DV report did not include the SRM sample in the validation, treating it as a QC sample.

- The HGL reviewer added a validation_qualifiers of J and reason code EMPC to the results reported for 1,2,3,7,8-PeCDD, 2,3,4,6,7,8-HxCDF, and 2,3,7,8-TCDD.
- Applied J-LCSP to the OCDD result.
- Verified that all reported results were > action level associated with detections in the method blank.
- Verified that the 2,3,7,8-TCDF result was <LOQ and did not require analysis on the DB-225 column.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
PSRM0158	1,2,3,7,8-PeCDD	1.25	--	J	J	EMPC
	2,3,4,6,7,8-HxCDF	1.64	--	J	J	EMPC
	2,3,7,8-TCDD	0.931	--	J	J	EMPC
	OCDD	816	--	J	J	LCSP
	All other results <PQL	varies	--	--	J	--

HGL Data Validation Review Report

Project Name/Number	PHSS-SIB PDI / DT2002
Data Validation Stage	2A
Validation Subcontractor	EcoChem
Laboratory	Cape Fear Analytical (CFA)
SDG	20471
HGL Reviewer	Ken Rapuano 5/18/2023
HGL QC Check by	Deanna Valdebenito 5/18/2023

General issues: The HGL reviewer made several updates to the .txt file in order to format the data validation fields in accordance with database loading requirements. These updates included:

- Ensuring that all target results in field samples and field duplicates reported as EMPCs had a reason code of EMPC, replacing the VJ code used by the validator (142x results, in some cases in combination with other qualifiers).
- Moving the validation reason codes from the approval_code column to the dqm_remark column as requested by the database manager.
- Adding “Y” to the “validated_yn” field for all data rows in this EDD.
- Deleting any calculated rows performed on database results that were erroneously included in the export for qualification.
- Copying the lab_qualifiers field to the interpreted_qualifiers field for non-validated results (such as lab QC samples).
- Changing reportable_result from Yes to No and changing detect_flag from N to Y for 2,3,7,8-TCDF results qualified DNR-EXC by the validator (1x 2,3,7,8-TCDF results – all correct in this SDG except for the SRM).
- Changing the reportable_result from No to Yes for results reported with a lab_qualifiers of E (2x OCDD results).

Dioxins/Furans – E1613B

SRM Sample: The DV report did not include the SRM sample in the validation, treating it as a QC sample.

- The HGL reviewer added a validation_qualifiers of J and reason code EMPC to the result reported for 1,2,3,7,8-PeCDF; 1,2,3,7,8-PeCDD, and 2,3,7,8-TCDD.
- Verified that all reported results were > action level associated with detections in the method blank.
- The 2,3,7,8-TCDF result from instrument HRP791_3 was >LOQ; the HGL reviewer qualified this result EXC-DNR and changed reportable_result to No.

Equipment Blank: Equipment rinse blanks associated with sediment cores were submitted separately from the associated field samples; the validator evaluated EB10-09052022 (results reported in SDG 20342 [misidentified as 20432 in the DV report]) but the results for EB09-08/24/2022 (results reported in SDG 20283) were not provided to the validators at the time this SDG was validated. Rinse blank EB09-08/24/2022 is associated with the samples collected on 8.25.22 with results reported in this SDG. The OCDD and 1,2,3,4,6,7,8-HpCDF results in EB09-08/24/2022 are attributable to aqueous prep batch contamination and are not considered to be the result of cross-contamination in the field; however, this equipment blank was contaminated with 12 other PCDD/PCDF analytes. Due to the differences in preparation factors between aqueous and solid samples, the HGL reviewer determined that a concentration reported as X pg/L in the rinse blank corresponded approximately to a relative soil concentration of X/10 pg/g. The contamination in the equipment blank and the corresponding soil action levels are presented in the following table.

Analyte	Aqueous Concentration (pg/L)	Equivalent Soil Concentration (pg/g)	Soil Action Level (pg/g)
1,2,3,7,8-PeCDD	2.36	0.236	1.18
1,2,3,4,7,8-HxCDD	1.58	0.158	0.790
1,2,3,6,7,8-HxCDD	1.58	0.158	0.790
1,2,3,7,8,9-HxCDD	1.84	0.184	0.920
1,2,3,4,6,7,8-HpCDD	1.39	0.139	0.695
1,2,3,7,8-PeCDF	2.78	0.278	1.39
2,3,4,7,8-PeCDF	2.34	0.234	1.17
1,2,3,4,7,8-HxCDF	2.32	0.232	1.16
1,2,3,6,7,8-HxCDF	1.97	0.197	0.985
2,3,4,6,7,8-HxCDF	1.15	0.115	0.575
1,2,3,7,8,9-HxCDF	1.37	0.137	0.685
1,2,3,4,7,8,9-HpCDF	1.37	0.137	0.685

The HGL reviewer qualified the following results U-EBL (note, the SRM is not affected by field cross-contamination):

1. FD-52-08/25/2022: None
2. SIB-SC-D37-1-2-08/25/2022: 1,2,3,7,8-PeCDF
3. SIB-SC-D37-2-3-08/25/2022: 1,2,3,7,8-PeCDF
4. SIB-SC-D37-3-4-08/25/2022: 1,2,3,7,8-PeCDD; 1,2,3,7,8-PeCDF
5. SIB-SC-D37-4-5-08/25/2022: 1,2,3,7,8-PeCDD; 1,2,3,7,8-PeCDF; 1,2,3,7,8,9-HxCDF
6. SIB-SC-D37-5-6-08/25/2022: 1,2,3,6,7,8-HxCDD; 1,2,3,4,7,8-HxCDF; 1,2,3,6,7,8-HxCDF; 2,3,4,6,7,8-HxCDF

Field Duplicate: The header text for the field duplicate comparison incorrectly states that the duplicate pair being evaluated is “SIB-SC-E37-2-3-08252022 & FD-52-08/25/2022”. This is incorrect – the duplicate pair shown in the table is for SIB-SC-F37-1-2-09/03/2022 and FD-54-09/03/2022. The EDD shows the correct associations and qualifiers applied to the correct duplicate pair and no additional qualification is required.

The DV report indicated that field duplicate FD-52-08/25/0222 could not be evaluated because parent sample SIB-SC-E37-2-3-08/25/2022 was not included in this SDG and the results were not available for review. The HGL reviewer confirmed by a search of the delivered CFA data reports that the results for the parent sample had not been delivered yet and no review was possible at this time. No additional qualification is required.

Qualification Modification Table (all results in pg/g)

Sample	Analyte	Validated Result	Validated Qualifier	Modified Validated Qualifier	Modified Interpreted Qualifier	Modified Final Reason Code
SIB-SC-D37-1-2-08/25/2022	1,2,3,7,8-PeCDF	0.839	J	UJ	UJ	EMPC, EBL
SIB-SC-D37-2-3-08/25/2022	1,2,3,7,8-PeCDF	1.21	--	U	U	EBL
SIB-SC-D37-3-4-08/25/2022	1,2,3,7,8-PeCDF	0.726	J	UJ	UJ	EMPC, EBL
	1,2,3,7,8-PeCDD	1.14	--	U	U	EBL
SIB-SC-D37-4-5-08/25/2022	1,2,3,7,8,9-HxCDF	0.639	J	UJ	UJ	EMPC, EBL
	1,2,3,7,8-PeCDF	0.708	J	UJ	UJ	EMPC, EBL
	1,2,3,7,8-PeCDD	0.849	--	U	U	EBL
SIB-SC-D37-5-6-08/25/2022	1,2,3,4,7,8-HxCDF	0.151	--	U	U	EBL
	1,2,3,6,7,8-HxCDF	0.179	--	U	U	EBL
	1,2,3,6,7,8-HxCDD	0.247	J	UJ	UJ	EMPC, EBL
	2,3,4,6,7,8-HxCDF	0.135	--	U	U	EBL
PSRM0159	1,2,3,7,8-PeCDF	1.11	--	J	J	EMPC
	1,2,3,7,8-PeCDD	1.54	--	J	J	EMPC
	2,3,7,8-TCDF	0.973	--	J	J	EMPC
	All other results <PQL	varies	--	--	J	--



MCGI

USEPA Data Validation
Dioxins/Furans & PCBs Congeners
Data Validation Report

Swan Island Basin Project Area
CERCLA Docket No. 10-2021-001
Portland Harbor Superfund Site
Portland, Multnomah County, Oregon

Lab SDG's No. WO20416, WO20455 & WO20465
MCGI Project No. HG012301-0416

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CONTENTS

- GLOSSARY OF ACRONYMS & TERMS
- COMMUNICATION RECORDS
- GLOSSARY OF DATA VALIDATION QUALIFIERS
- REASON CODES
- DATA VALIDATION REPORT NARRATIVE
- ELECTRONIC DATA DELIVERABLE (EDD) with applicable qualifiers, Refer to the EDD Excel file.
- SUPPORT DOCUMENTATION, Refer to the electronic Data Package PDF file.

GLOSSARY OF ACRONYMS & TERMS

GLOSSARY OF ACRONYMS & TERMS

One or more of the following acronyms and terms may have been used in the descriptive process of the **Organic** Data Validation.

Acronyms:

<i>BFB</i>	Bromofluorobenzene (volatile instrument performance check)
<i>BNA</i>	Base/Neutral/Acid
<i>CCCs</i>	Calibration Check Compounds
<i>CF</i>	Calibration Factor
<i>CLP</i>	Contract Laboratory Program
<i>COC</i>	Chain of Custody
<i>CRDL</i>	Contract Required Detection Limit
<i>CRQL</i>	Contract Required Quantitation Limit
<i>CSF</i>	Complete SDG File
<i>%D</i>	Percent Difference
<i>DCB</i>	Decachlorobiphenyl (Pesticide/PCB/ surrogate compound)
<i>DFTPP</i>	Decafluorotriphenylphosphine (semivolatile instrument performance check)
<i>DSF</i>	Data Summary Form
<i>ECD</i>	Electron-Capture Detector
<i>EICP</i>	Extended Ion Current Profile
<i>EPA</i>	United States Environmental Protection Agency
<i>GC</i>	Gas Chromatography
<i>GC/EC</i>	Gas Chromatography/Electron Capture
<i>GC/MS</i>	Gas Chromatography/Mass Spectra
<i>GPC</i>	Gel Permeation Chromatography (Clean Up)
<i>ICAL</i>	Initial Calibration
<i>IS</i>	Internal Standard
<i>LCS</i>	Laboratory Control Sample
<i>LCL</i>	Lower Control Limit
<i>MCL</i>	Maximum Contamination Level
<i>MDL</i>	Method Detection Limit
<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>m/z</i>	The ratio of mass (m) to charge (z) of ions measured by GC/MS
<i>OADS</i>	Organic Analysis Data Sheet (Form 1)
<i>ORDA</i>	Organic Regional Data Assessment
<i>PCB</i>	Poly Chlorinated Biphenyl
<i>PEM</i>	Performance Evaluation Mixture

<i>QA/QC</i>	Quality Assurance/Quality Control
<i>QAPjP</i>	Quality Assurance Project Plan
<i>QC</i>	Quality Control
<i>%R</i>	Percent Recovery of spiked amount
<i>RF</i>	Response Factor
<i>RIC</i>	Reconstructed Ion Chromatogram
<i>RPD</i>	Relative Percent Difference
<i>RRF</i>	Relative Response Factor
<i>RSD</i>	Relative Standard Deviation
<i>RT</i>	Retention Time
<i>RTW</i>	Retention Time Window
<i>SDG</i>	Sample Delivery Group
<i>SMC</i>	System Monitoring Compound
<i>SOP</i>	Standard Operation Procedures
<i>SOW</i>	Statement of Work
<i>SPCCs</i>	System Performance Check Compounds
<i>SSL</i>	Samples Shipping Log
<i>SVOA</i>	Semivolatile Organic Analyte
<i>TCL</i>	Target Compound List
<i>TCX</i>	Tetrachloro-m-Xylene (Pesticide/PCB surrogate compound)
<i>TIC</i>	Tentatively Identified Compound
<i>TPH</i>	Total Petroleum Hydrocarbons
<i>UCL</i>	Upper Control Limit
<i>VOA</i>	Volatile Organic Analyte
<i>VTSR</i>	Validated Time of Sample Receipt

Terms:

Associated Samples

Any sample related to a particular QC analysis.

Case

A finite, usually predetermined number of samples collected over a given time period for a particular site. A Case consists of one or more Sample Delivery Group(s).

Contractual Holding Time

The time from VTSR (validated time of sample receipt) to laboratory extraction and /or analysis.

Data Validation Qualifier (DVQ)

This refers to the column on the data summary form in which EPA Region III and other qualifiers have been placed by the data validator.

Data Validation Result (DVR)

This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit.

Field Blank Field blanks are intended to identify contaminants that may have been introduced in the field. Examples are rinsate blank (RB), field blanks (FB) and trip blank (TB).

Field Duplicate

A duplicate sample generated in the field; not in the laboratory.

Initial Calibration (ICAL)

The establishment of a calibration curve with the appropriate number of standards and concentration ranges. The calibration curve plots absorbances and/or emissions versus concentration of the standards. .

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Introduction of a known concentration of a compound into a sample to provide information about the effect of sample matrix on the extraction and/or measurement methodology.

Performance Evaluation Mixture

A standard used to verify that the ICAL sequence is stable throughout the GC or GC/MS analyses.

Sample Delivery Group (SDG)

Defined by one of the following, whichever occurs first:

- case of sample
- each twenty field samples in a case or
- each 14-day calendar period during which field samples in a case are received, beginning with the receipt of the first sample in the SDG.

Technical Holding Time

The time from sample collection to laboratory extraction and /or analysis

GLOSSARY OF ACRONYMS & TERMS

One or more of the following acronyms and terms may have been used in the descriptive process of the **Inorganic** Data Validation.

Acronyms:

<i>AA</i>	Atomic Absorption
<i>CCB</i>	Continuing Calibration Blank
<i>CCV</i>	Continuing Calibration Verification
<i>CF</i>	Calibration Factor
<i>CLP</i>	Contract Laboratory Program
<i>COC</i>	Chain of Custody
<i>CRDL</i>	Contract Required Detection Limit
<i>CSF</i>	Complete SDG File
<i>CV</i>	Cold Vapor
<i>%D</i>	Percent Difference
<i>EPA</i>	United States Environmental Protection Agency
<i>ICAL</i>	Initial Calibration
<i>ICB</i>	Initial Calibration Blank
<i>ICP</i>	Inductively Coupled Plasma
<i>ICS</i>	Interference Check Sample
<i>ICV</i>	Initial Calibration Verification
<i>IDL</i>	Instrument Detection Limit
<i>LCS</i>	Laboratory Control Sample
<i>LCL</i>	Lower Control Limit
<i>MCL</i>	Maximum Contamination Level
<i>MDC</i>	Minimum Detectable Concentration
<i>MDL</i>	Method Detection Limit
<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>MSA</i>	Method of Standard Addition
<i>PB</i>	Preparation Blank
<i>PCB</i>	Poly Chlorinated Biphenyl
<i>QA/QC</i>	Quality Assurance/Quality Control
<i>QAPjP</i>	Quality Assurance Project Plan
<i>QC</i>	Quality Control

%R	Percent Recovery of spiked amount
RPD	Relative Percent Difference
RRF	Relative Response Factor
RSD	Relative Standard Deviation
SDG	Sample Delivery Group
SOP	Standard Operation Procedures
SOW	Statement of Work
SSL	Samples Shipping Log
TAL	Target Analyte List
UCL	Upper Control Limit
VTSR	Validated Time of Sample Receipt

Terms:

Associated Samples

- Any sample related to a particular QC analysis. For Example:
- For ICV, all samples run under the same calibration curve.
 - For duplicate RPD, all SDG samples digested/distilled of the same matrix.

Case A finite, usually predetermined number of samples collected over a given time period for a particular site. A Case consists of one or more Sample Delivery Group(s).

Continuing Calibration Blank (CCB)

A deionized water sample run every ten (10) samples designed to detect any carryover contamination.

Continuing Calibration Verification (CCV)

A deionized water sample run every ten (10) samples designed to detect any carryover contamination.

Contract Compliance Screening (CCS)

A process in which the SMO inspects the data for contractual compliance and provides EMSL-LV laboratories and the Regions with their findings.

Contractual Holding Time

The time from VTSR (validated time of sample receipt) to laboratory extraction and /or analysis.

Data Validation Qualifier (DVQ)

This refers to the column on the data summary form in which EPA Region III and other qualifiers have been placed by the data validator.

Data Validation Result (DVR)

This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit.

Field Blank Field blanks are intended to identify contaminants that may have been introduced in the field. Examples are rinsate blank (RB), field blanks (FB) and trip blank (TB).

Field Duplicate

A duplicate sample generated in the field; not in the laboratory.

Initial Calibration (ICAL)

The establishment of a calibration curve with the appropriate number of standards and concentration ranges. The calibration curve plots absorbancies and/or emissions versus concentration of the standards.

Initial Calibration Blank (ICB)

First blank run after the calibration curve

Initial Calibration Verification (ICV)

First standard run after the calibration curve

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Introduction of a known concentration of a compound into a sample to provide information about the effect of sample matrix on the extraction and/or measurement methodology.

Post Digestion Spike

The addition of known amount of standard after digestion. (Also identified as analytical spike, or spike, for furnace analyses.)

Preparation Blank (PB)

Blank taken through the digestion process to detect internal laboratory contamination.

Sample Delivery Group (SDG)

Defined by one of the following, whichever occurs first:

- case of sample
- each twenty field samples in a case or
- each 14-day calendar period during which field samples in a case are received, beginning with the receipt of the first sample in the SDG.

Serial Dilution

A sample run at a specific dilution to determine whether any significant chemical or physical interferences exist due to sample matrix effect, for ICP only.

Technical Holding Time

The time from sample collection to laboratory extraction and /or analysis.

COMMUNICATION RECORDS

N/A

GLOSSARY OF DATA VALIDATION QUALIFIERS

GLOSSARY OF DATA QUALIFIER CODES

CODES RELATED TO IDENTIFICATION:

(Confidence concerning presence or absence of compounds)

U	=	Not detected above the level of the associated value. The associated value is either the approximate sample quantitation or detection limit.
NO CODE	=	Confirmed identification
U1	=	Not detected substantially above the level reported in laboratory or field blanks.
R	=	Unusable results. Analyte may or may not be present in the sample.
N	=	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION:

(Can be used for both positive results and sample quantitation limits)

J	=	Analyte present. Reported value may not be accurate or precise (estimated value).
J+	=	Analyte present. Reported value may be biased high. Result is estimated high.
J-	=	Analyte present. Reported value may be biased low. Result is estimated low.
UJ	=	Not detected. Quantitation limit may be inaccurate or imprecise (Estimated).
UJ-	=	Not detected. Quantitation limit is probably higher.

OTHER CODES:

NJ	=	Qualitative identification questionable. Presumptively present at approximate quantity.
Q	=	No analytical result.
X	=	Data not Validated.

DATA VALIDATION REPORT NARRATIVE



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DATE: April 19, 2023

SUBJECT: USEPA Dioxins/Furans & PCBs Congeners Data Validation Report
Lab SDG's No. WO20416, WO20455 & WO20465

Site: Swan Island Basin Project Area
CERCLA Docket No. 10-2021-001
Portland Harbor Superfund Site
Portland, Multnomah County, Oregon
MCGI Project No. HG012301-0416

FROM: Sherif N. Mina
Meridian Consultant Group, Inc.

TO: Ms. Andrea Fletcher
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OVERVIEW

This report consists of three (3) Sample Delivery Groups (SDGs) for a total of fifty-eight (58) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans & PCBs Congeners analyses according to EPA Methods 1613B & 1668C, respectively. Details about each SDG are listed in separate sections below. The samples were analyzed in accordance with the Chain-of-Custody (COC).

Stage-4 data validation was performed on SDG WO20465; and Stage-2A data validation was performed on SDGs WO20416 & WO20455.

The analytical results were validated according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses.

The qualifications of the data were according to the USEPA NFG; However, the QC criteria listed in the Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), dated May 2022, superseded the QC criteria listed in the USEPA NFG during the data validation.

Deviation from USEPA NFG: The “U” qualifier recommended by USEPA NFG for blank contamination was replaced by the “U1” qualifier to clearly indicate blank contamination on the EDDs.

Stage-2A Data Validation: The following QC’s were reviewed and evaluated:

- Data Completeness & COC.
- Holding Time.
- Sample results.
- Method & Field Blanks.
- Surrogate Recoveries.
- Laboratory & Field Duplicates.
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD).
- Matrix Spike/Matrix Spike Duplicate (MS/MSD).

Stage-4 Data validation: All QC’s were reviewed and evaluated as per USEPA NFG.

GENERAL NOTES

- **Electronic Data Deliverable (EDD):** Several rows in the electronic data deliverable (EDD) are marked with an “X” and hidden from the EDDs by the validator. These rows may include quality control samples such as Method Blanks, Laboratory Control Samples, Matrix Spikes, or Matrix Spike Duplicates which are not validated. Additionally, some field sample results may not be used since only one (1) result for each compound is reported after validation. The following list indicates some instances in which an “X” may be placed in the DVQ column:
 1. The compounds in an analysis that have exceeded the instrument calibration range.
 2. All compounds in a diluted analysis that were within the calibration range in the initial analysis.
 3. All compounds in either the initial analysis or re-analysis of a sample, depending on which analysis is not reported on the EDD.Although QC samples and some field samples results may not be used, all data were reviewed and considered in the overall assessment.
- **Data Validation Qualifier (DVQ):** This refers to the column on the data summary form in which EPA and other qualifiers have been placed by the data validator.
- **Data Validation Result (DVR):** This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit. Results in the DVR column supersede those reported by the laboratory.
- **Compound Quantitation:** Positive results for compounds which are below the CRQL were qualified as estimated “J” on the EDD.

[1-SDG: WO20465 - Stage-4](#)

This SDG consisted of nineteen (19) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans analysis according to EPA Method 1613B. No field duplicate pairs were identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	D
SIB-SC-B32-1-2-07/25/2022	20465001	Soil	x
SIB-SC-B32-2-3-07/25/2022	20465002	Soil	x
SIB-SC-B32-3-4-07/25/2022	20465003	Soil	x
SIB-SC-B32-4-5-07/25/2022	20465004	Soil	x
SIB-SC-B32-5-6-07/25/2022	20465005	Soil	x
SIB-SC-D35-1-2-08/04/2022	20465006	Soil	x
SIB-SC-D35-2-3-08/04/2022	20465007	Soil	x
SIB-SC-D35-3-4-08/04/2022	20465008	Soil	x
SIB-SC-D35-4-5-08/04/2022	20465009	Soil	x
SIB-SC-D35-5-6-08/04/2022	20465010	Soil	x
SIB-SC-D35-6-7-08/04/2022	20465011	Soil	x
SIB-SC-D35-7-8-08/04/2022	20465012	Soil	x
SIB-SC-D35-8-9-08/04/2022	20465013	Soil	x
SIB-SC-D35-9-10-08/04/2022	20465014	Soil	x
SIB-SC-D35-10-11-08/04/2022	20465015	Soil	x
SIB-SC-D35-11-12-08/04/2022	20465016	Soil	x
SIB-SC-D35-12-13-08/04/2022	20465017	Soil	x
SIB-SC-D35-13-14-08/04/2022	20465018	Soil	x
SIB-SC-D35-14-15-08/04/2022	20465019	Soil	x

D=Dioxins/Furans

Field Duplicates: N/A

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		19	0
*	Data Completeness		19	0
*	Preservation and Technical Holding Time		19	0
*	Initial and Continuing Calibrations		19	0
*	Chromatographic Resolution		19	0
*	Labeled Compounds/Surrogates		19	0
	Laboratory and Field Blanks Analyses	x	19	5
*	Matrix Spike/Matrix Spike Duplicate (MS/MSD)		19	0
*	Field Duplicate		19	0
*	Laboratory Control Sample(LCS)		19	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible Concentration (EMPC)	x	19	19
*	Sample Cleanup		19	0
*	Sample Analysis & Identification		19	0
	Compound Quantitation & Total Homologues	x	19	9

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified “U1”, “J” or “J+”, based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
<i>Dioxins/Furans</i>	OCDD	1.52	pg/g	Method	All Samples
	1,2,3,4,6,7,8-HpCDF	0.23	pg/g	Method	All Samples

- **Compound Quantitation:** OCDD and/or Heptachlorodibenzo-p-Dioxin exceeded the calibration range in several samples. Positive results for these homologues in the affected samples were qualified “J”.
- **Estimated Maximum Possible Concentration (EMPC):** Several homologues were reported as EMPC in all samples. Positive results for these homologues in the associated samples were qualified “J”.

NOTES

- **Laboratory Control Sample (LCS):** The LCS associated with all samples displayed a slightly low recovery @ 79.3% (<80%) for 1,2,3,7,8-PeCDF. The LCSD & MS/MSD displayed recoveries within the acceptance limits for this homologue. It's the validator's professional judgement not to qualify the data based on this minor LCS recovery.

2-SDG: WO20416 - Stage-2A

This SDG consisted of eighteen (18) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans analysis according to EPA Method 1613B. One (1) soil field duplicate pair was identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	D
SIB-SC-H08-1-2-07/26/2022	20416001	Soil	x
FD-20-07/26/2022	20416002	Soil	x
SIB-SC-H08-2-3-07/26/2022	20416003	Soil	x
SIB-SC-H08-3-4-07/26/2022	20416004	Soil	x
SIB-SC-H08-4-5-07/26/2022	20416005	Soil	x
SIB-SC-H08-5-6-07/26/2022	20416006	Soil	x
SIB-SC-H07-1-2-07/26/2022	20416007	Soil	x
SIB-SC-H07-2-3-07/26/2022	20416008	Soil	x
SIB-SC-H07-3-4-07/26/2022	20416009	Soil	x
SIB-SC-H07-4-5-07/26/2022	20416010	Soil	x
SIB-SC-H07-5-6-07/26/2022	20416011	Soil	x
SIB-SC-H06-1-2-07/26/2022	20416012	Soil	x
SIB-SC-H06-2-3-07/26/2022	20416013	Soil	x
SIB-SC-H06-3-4-07/26/2022	20416014	Soil	x
SIB-SC-H06-4-5-07/26/2022	20416015	Soil	x
SIB-SC-H06-5-6-07/26/2022	20416016	Soil	x
SIB-SC-H06-4-5-07/26/2022	20416017	Soil	x
SIB-SC-H06-5-6-07/26/2022	20416018	Soil	x

D=Dioxins/Furans

Field Duplicates: FD-20 Duplicate of SIB-SC-H08-1-2

- Field Duplicates:** For the associated field duplicate pair, an RPD of 50% was used as the QC limit for results $\geq 5x$ the PQL; when results (one or both detected values $\leq 5x$ PQL) or when one result is a non-detection, the contr limit is absolute difference $\leq 2x$ PQL (solid matrix). Non-detected values will be assigned the nominal value of the EDL for making this comparison, as per the project QAPP. Qualification based on the field duplicates are only applied to the field duplicate samples. A table summarizing the RPDs for the associated field duplicate pair is provided below.

Compound	FD-20	SIB-SC-H08-1-2	RPD	Qualifier
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	227	417	59	J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1380	2450	56	J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	25.3	41.2	48	
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17	25.2	*	
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.06	11.8	*	
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.27	14.6	*	
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	40.4	76.3	62	J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.99	6.25	*	
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.4	33.5	**	J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.36	5.6	*	
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.4	8.82	*	
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.9	18.7	*	
2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.64	10.5	*	
2,3,7,8-TETRACHLORODIBENZOFURAN	9.51	13.4	*	
2,3,7,8-TETRACHLORODIBENZOFURAN	7.36	12.4	*	
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.2	2.17	*	
Heptachlorodibenzo-P-Dioxin	2510	4430	55	J
HEXACHLORODIBENZOFURAN	329	575	54	J
HEXACHLORODIBENZO-P-DIOXIN	496	861	54	J
OCTACHLORODIBENZOFURAN	1170	1770	41	
OCTACHLORODIBENZO-P-DIOXIN	15400	27100	55	J
PENTACHLORO DIBENZOFURAN	141	205	37	
PENTACHLORODIBENSO-P-DIOXIN	79.1	142	57	
TETRACHLORINATED DIBENZOFURANS, (TOTAL)	77.9	117	40	
TETRACHLORODIBENZO-P-DIOXIN	23	38.5	**	J
TOTAL HpCDFs	960	1690	55	J

* One or both results values $\leq 5x$ PQL, the absolute difference $\leq 2x$ PQL. No qualification.

** One or both results values $\leq 5x$ PQL, the absolute difference $> 2x$ PQL.

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		18	0
*	Data Completeness		18	0
*	Preservation and Technical Holding Time		18	0
*	Initial and Continuing Calibrations		18	0
*	Chromatographic Resolution		18	0
*	Labeled Compounds/Surrogates		18	0
	Laboratory and Field Blanks Analyses	x	18	16
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	x	18	1
	Field Duplicate	x	18	2
*	Laboratory Control Sample(LCS)		18	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible	x	18	18
*	Sample Cleanup		18	0
*	Sample Analysis & Identification		18	0
	Compound Quantitation & Total Homologues	x	18	7

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified “U1”, “J” or “J+”, based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

Analytical Fraction	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
Dioxins/Furans	1,2,3,4,6,7,8-HpCDF	0.512	pg/g	Method	All Samples*
	1,2,3,4,7,8-HxCDF	0.32	pg/g	Method	All Samples*

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	1,2,3,6,7,8-HxCDF	0.328	pg/g	Method	All Samples*
	1,2,3,7,8-PeCDF	0.26	pg/g	Method	All Samples*
	1,2,3,4,6,7,8,9-OCDD	1.12	pg/g	Method	All Samples*

* This blank is associated with the initial analysis

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	1,2,3,7,8,9-HxCDD	0.190	pg/g	Method	All Samples**
	1,2,3,4,6,7,8-HpCDD	0.358	pg/g	Method	All Samples**
	1,2,3,4,6,7,8,9-OCDD	1.51	pg/g	Method	All Samples**
	1,2,3,7,8-PeCDF	0.226	pg/g	Method	All Samples**
	2,3,4,7,8-PeCDF	0.158	pg/g	Method	All Samples**
	1,2,3,4,7,8-HxCDF	0.246	pg/g	Method	All Samples**
	1,2,3,6,7,8-HxCDF	0.204	pg/g	Method	All Samples**
	2,3,4,6,7,8-HxCDF	0.184	pg/g	Method	All Samples**
	1,2,3,4,6,7,8-HpCDF	0.654	pg/g	Method	All Samples**
	1,2,3,4,6,7,8,9-OCDF	0.676	pg/g	Method	All Samples**

** This blank is associated with the re-analysis

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** The MS/MSD of Sample SIB-SC-H08-2-3 (Lab ID# 20416003) displayed low recoveries and/or RPDs outside the QC limit for 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 2,3,7,8-TCDF, 1,2,3,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF & 1,2,3,4,6,7,8,9-OCDF. Positive results for these homologues in the parent samples were qualified “J”.
- **Compound Quantitation:** OCDD and/or Heptachlorodibenzo-p-Dioxin exceeded the calibration range in several samples. Positive results for these homologues in the affected samples were qualified “J”.
- **Estimated Maximum Possible Concentration (EMPC):** Several homologues were reported as EMPC in all samples. Positive results for these homologues in the associated samples were qualified “J”.

NOTES

- None noted.

3-SDG: WO20455 - Stage-2A

This SDG consisted of twenty-one (21) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for PCBs Congeners analysis according to EPA Method 1668C. Two (2) soil field duplicate pairs were identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	P
SIB-SC-R02-1-2-08222022	20455001	Soil	x
SIB-SC-R02-2-3-08/22/2022	20455002	Soil	x
SIB-SC-R02-3-4-08222022	20455003	Soil	x
SIB-SC-R02-4-5-08222022	20455006	Soil	x
SIB-SC-R02-5-6-08222022	20455007	Soil	x
FD-50-08/22/2022	20455008	Soil	x
SIB-SC-N07-0-1-08242022	20455009	Soil	x
SIB-SC-N07-1-2-08242022	20455010	Soil	x
SIB-SC-N07-2-3-08242022	20455011	Soil	x
SIB-SC-N07-3-3.6-08242022	20455012	Soil	x
SIB-SC-N05-1-2-09012022	20455013	Soil	x
SIB-SC-N05-2-3-09012022	20455014	Soil	x
SIB-SC-N05-3-4-09012022	20455015	Soil	x
SIB-SC-N05-4-5-09012022	20455016	Soil	x
SIB-SC-N05-5-6-09012022	20455017	Soil	x
SIB-SC-J08-1-2-09012022	20455018	Soil	x
SIB-SC-J08-2-3-09012022	20455019	Soil	x
SIB-SC-J08-3-4-09012022	20455020	Soil	x
SIB-SC-J08-4-5-09012022	20455021	Soil	x
SIB-SC-B07-0-1-09/05/2022	20455022	Soil	x
FD-58-09/05/2022	20455023	Soil	x

PPCBs Congeners

Field Duplicates: FD-50 Duplicate of SIB-SC-R02-2-3
FD-58 Duplicate of SIB-SC-B07-0-1

- Field Duplicates:** For the associated field duplicate pair, an RPD of 50% was used as the QC limit for results $\geq 5x$ the PQL; when results (one or both detected values $\leq 5x$ PQL) or when one result is a non-detection, the contr limit is absolute difference $\leq 2x$ PQL (solid matrix). Non-detected values will be assigned the nominal value of the EDL for making this comparison, as per the project QAPP. Qualification based on the field duplicates are only applied to the field duplicate samples. A table summarizing the RPDs for the associated field duplicate pair is provided below.

Compound	FD-50	SIB-SC-R02-2-3	RPD	Qualifier
2,3-DICHLOROBIPHENYL	ND	ND	NA	
2-CHLOROBIPHENYL	212	168	23	
4,4'-DICHLOROBIPHENYL	1590	2330	38	
Chlorobiphenyl; 3-	92	113	*	
Chlorobiphenyl; 4-	183	230	23	
DECACHLOROBIPHENYL	208	201	3	
Dichlorobiphenyl; 2,2'-	1520	1310	15	
Dichlorobiphenyl; 2,3'-	1970	2160	9	
Dichlorobiphenyl; 2,4'-	4340	4800	10	
Dichlorobiphenyl; 2,4-	164	166	1	
Dichlorobiphenyl; 2,5-	196	219	11	
Dichlorobiphenyl; 2,6-	73.7	71.4	*	
Dichlorobiphenyl; 3,3'-	700	790	12	
Dichlorobiphenyl; 3,4-	572	605	6	
Dichlorobiphenyl; 3,5-	ND	ND	NA	
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1910	1530	22	
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	740	549	30	
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	387	301	25	
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2470	1790	32	
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1840	1240	39	
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	127	77.4	*	
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	438	306	35	
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	970	623	44	
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1580	1140	32	
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4890	3650	29	
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	32.3	26.1	*	
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	9.62	141 (ND)	*	
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1860	1330	33	
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	4.03	141 (ND)	*	
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4330	3050	35	
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	ND	ND	NA	
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17.5	12.8	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	66.8	55	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	381	286	28	
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	71.4	52.3	*	
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	ND	ND	NA	
Hexachlorobiphenyl; 2,2',3,3',4,4'-	707	642	10	

Hexachlorobiphenyl; 2,2',3,3',4,5'-	565	485	15
Hexachlorobiphenyl; 2,2',3,3',4,5-	6890	5840	16
Hexachlorobiphenyl; 2,2',3,3',4,6'-	2410	2050	16
Hexachlorobiphenyl; 2,2',3,3',4,6-	54.5	57	*
Hexachlorobiphenyl; 2,2',3,3',5,5'-	444	349	24
Hexachlorobiphenyl; 2,2',3,3',5,6'-	4210	3430	20
Hexachlorobiphenyl; 2,2',3,3',5,6-	326	208	44
Hexachlorobiphenyl; 2,2',3,3',6,6'-	1740	1490	15
Hexachlorobiphenyl; 2,2',3,4,4',5-	195	181	7
Hexachlorobiphenyl; 2,2',3,4,4',6-	195	167	*
Hexachlorobiphenyl; 2,2',3,4,5,5'-	998	807	21
Hexachlorobiphenyl; 2,2',3,4',5,5'-	2420	2120	13
Hexachlorobiphenyl; 2,2',3,4,5,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	286	264	8
Hexachlorobiphenyl; 2,2',3,4',5,6'-	186	149	22
Hexachlorobiphenyl; 2,2',3,4',5,6-	8810	7000	23
Hexachlorobiphenyl; 2,2',3,4,6,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	141	125	*
Hexachlorobiphenyl; 2,2',3,5,6,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	8240	6870	18
Hexachlorobiphenyl; 2,2',4,4',5,6'-	702	614	13
Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.73	6.04	*
Hexachlorobiphenyl; 2,3,3',4,4',5-	502	452	10
Hexachlorobiphenyl; 2,3,3',4,4',6-	425	360	17
Hexachlorobiphenyl; 2,3,3',4,5,5'-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	32.3	19.2	*
Hexachlorobiphenyl; 2,3,3',4,5,6-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	501	390	25
Hexachlorobiphenyl; 2,3,3',5,5',6-	29.6	141 (ND)	*
Hexachlorobiphenyl; 3,3',4,4',5,5'-	ND	ND	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	379	316	18
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	52.4	44.5	*
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	111	90.7	*
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1050	824	24
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	647	515	23
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	435	332	27
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	242	184	*
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1410	1080	27
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	223	150	39
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	308	208	39
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	772	636	19
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	ND	ND	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	52.3	39	*
PCB-167	180	154	16

PCB-82	435	366	17
Pentachlorobiphenyl; 2,2',3,3',5-	891	790	12
Pentachlorobiphenyl; 2,2',3,3',6-	1370	1160	17
Pentachlorobiphenyl; 2,2',3,4,4'-	1160	998	15
Pentachlorobiphenyl; 2,2',3,4,5-	2950	2450	19
Pentachlorobiphenyl; 2,2',3,4',5-	7330	6040	19
Pentachlorobiphenyl; 2,2',3,4,6'-	42.6	40.3	*
Pentachlorobiphenyl; 2,2',3,4,6-	1670	1380	19
Pentachlorobiphenyl; 2,2',3,4',6'-	352	266	*
Pentachlorobiphenyl; 2,2',3,5,5'-	2290	1760	26
Pentachlorobiphenyl; 2,2',3,5,6'-	81.6	52.7	*
Pentachlorobiphenyl; 2,2',3,5,6-	322	250	*
Pentachlorobiphenyl; 2,2',3,5',6-	6640	5480	19
Pentachlorobiphenyl; 2,2',3,6,6'-	92.3	89.6	*
Pentachlorobiphenyl; 2,2',4,4',5-	3390	2650	25
Pentachlorobiphenyl; 2,2',4,5',6-	406	325	22
Pentachlorobiphenyl; 2,2',4,6,6'-	6.41	7.28	*
Pentachlorobiphenyl; 2,3,3',4,4'-	927	774	18
Pentachlorobiphenyl; 2,3,3',4,5'-	102	85.2	*
Pentachlorobiphenyl; 2,3,3',4,5-	ND	ND	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	38.3	28.2	*
Pentachlorobiphenyl; 2,3,3',4',5-	405	319	24
Pentachlorobiphenyl; 2,3,3',4',6-	5980	5090	16
Pentachlorobiphenyl; 2,3,3',5,5'-	41	32	*
Pentachlorobiphenyl; 2,3,3',5,6-	ND	ND	NA
Pentachlorobiphenyl; 2,3,4,4',5-	43.3	46.6	*
Pentachlorobiphenyl; 2,3',4,4',5'-	26.3	25.6	*
Pentachlorobiphenyl; 2,3',4,4',5-	3550	2990	17
Pentachlorobiphenyl; 2,3',4,5,5'-	145	109	*
Pentachlorobiphenyl; 2,3',4,5',6-	21.2	14.7	*
Pentachlorobiphenyl; 3,3',4,4',5-	ND	ND	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	ND	ND	NA
Polychlorinated Biphenyl (PCB)	183000	163000	*
TETRACHLORO 1,1'-BIPHENYL	4880	4440	9
Tetrachlorobiphenyl; 2,2',3,3'-	2110	2130	1
Tetrachlorobiphenyl; 2,2',3,4'-	1090	1080	1
Tetrachlorobiphenyl; 2,2',3,4-	349	224	44
Tetrachlorobiphenyl; 2,2',3,5'-	5380	4490	18
Tetrachlorobiphenyl; 2,2',3,5-	101	141 (ND)	*
Tetrachlorobiphenyl; 2,2',3,6'-	323	345	7
Tetrachlorobiphenyl; 2,2',3,6-	979	969	1
Tetrachlorobiphenyl; 2,2',4,5'-	4730	4120	14
Tetrachlorobiphenyl; 2,2',4,5-	427	367	15
Tetrachlorobiphenyl; 2,2',4,6-	790	853	8
Tetrachlorobiphenyl; 2,2',5,5'-	6650	6110	8
Tetrachlorobiphenyl; 2,2',6,6'-	24.3	17.8	*

Tetrachlorobiphenyl; 2,3,3',4'-	975	906	7	
Tetrachlorobiphenyl; 2,3,3',4-	ND	ND	NA	
Tetrachlorobiphenyl; 2,3,3',5'-	32.4	25.5	*	
Tetrachlorobiphenyl; 2,3,3',5-	ND	ND	NA	
Tetrachlorobiphenyl; 2,3,3',6-	406	227	*	
Tetrachlorobiphenyl; 2,3,4,4'-	154	152	1	
Tetrachlorobiphenyl; 2,3',4,4'-	2720	2290	17	
Tetrachlorobiphenyl; 2,3,4',5-	120	112	*	
Tetrachlorobiphenyl; 2,3',4,5'-	213	149	35	
Tetrachlorobiphenyl; 2,3',4,5-	64.7	59.5	*	
Tetrachlorobiphenyl; 2,3,4',6-	1130	932	19	
Tetrachlorobiphenyl; 2,3',5,5'-	234	184	24	
Tetrachlorobiphenyl; 2,3',5',6-	ND	ND	NA	
Tetrachlorobiphenyl; 3,3',4,4'-	209	202	3	
Tetrachlorobiphenyl; 3,3',4,5'-	75.8	72.6	*	
Tetrachlorobiphenyl; 3,3',4,5-	ND	ND	NA	
Tetrachlorobiphenyl; 3,3',5,5'-	ND	ND	NA	
Tetrachlorobiphenyl; 3,4,4',5-	ND	ND	NA	
Trichlorobiphenyl; 2,2',3-	606	603	0	
Trichlorobiphenyl; 2,2',4-	2510	2480	1	
Trichlorobiphenyl; 2,2',5-	3870	3820	1	
Trichlorobiphenyl; 2,2',6-	429	388	10	
Trichlorobiphenyl; 2,3,3'-	6860	7910	14	
Trichlorobiphenyl; 2,3,4'-	762	721	6	
Trichlorobiphenyl; 2,3,4-	1150	1250	8	
Trichlorobiphenyl; 2,3',4-	1230	1650	29	
Trichlorobiphenyl; 2,3,5-	ND	ND	NA	
Trichlorobiphenyl; 2,3',5'-	65.9	82.2	*	
Trichlorobiphenyl; 2,3',5-	2110	2650	23	
Trichlorobiphenyl; 2,3,6-	ND	ND	NA	
Trichlorobiphenyl; 2,3',6-	367	399	8	
Trichlorobiphenyl; 2,4',5-	5270	6200	16	
Trichlorobiphenyl; 2,4',6-	1620	1720	6	
Trichlorobiphenyl; 3,3',4-	59.5	52.5	*	
Trichlorobiphenyl; 3,3',5-	ND	ND	NA	
Trichlorobiphenyl; 3,4,4'-	733	787	7	
Trichlorobiphenyl; 3,4,5-	ND	ND	NA	
Trichlorobiphenyl; 3,4',5-	59.4	61.2	*	

Compound	FD-58	SIB-SC-B07-0-1	RPD	Qualifier
2,3-DICHLOROBIPHENYL	157	32.5	*	
2-CHLOROBIPHENYL	173	895	135	J
4,4'-DICHLOROBIPHENYL	157	418	*	
Chlorobiphenyl; 3-	52.6	151	*	
Chlorobiphenyl; 4-	157	472	*	

DECACHLOROBIPHENYL	194	275	35	
Dichlorobiphenyl; 2,2'-	190	332	*	
Dichlorobiphenyl; 2,3'-	78	177	*	
Dichlorobiphenyl; 2,4'-	273	553	68	J
Dichlorobiphenyl; 2,4-	157	67.4	*	
Dichlorobiphenyl; 2,5-	43	63	*	
Dichlorobiphenyl; 2,6-	157	22.6	*	
Dichlorobiphenyl; 3,3'-	157	226	*	
Dichlorobiphenyl; 3,4-	57.5	193	*	
Dichlorobiphenyl; 3,5-	NA	NA	ND	
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2910	3250	11	
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1060	983	8	
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	522	512	2	
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3190	2500	24	
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1990	1870	6	
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	140	116	*	
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	445	351	24	
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	744	684	8	
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1400	1130	21	
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6110	6520	6	
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	38.3	35.4	*	
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	49.4	33.2	*	
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2060	1980	4	
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	157	3.5	*	
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3950	3660	8	
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	NA	NA	ND	
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	16.7	18.8	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	124	118	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	565	631	11	
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	122	117	*	
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	NA	NA	ND	
Hexachlorobiphenyl; 2,2',3,3',4,4'-	2760	1950	34	
Hexachlorobiphenyl; 2,2',3,3',4,5'-	1180	879	29	
Hexachlorobiphenyl; 2,2',3,3',4,5-	18000	13700	27	
Hexachlorobiphenyl; 2,2',3,3',4,6'-	6650	4020	49	
Hexachlorobiphenyl; 2,2',3,3',4,6-	251	158	*	
Hexachlorobiphenyl; 2,2',3,3',5,5'-	463	346	29	
Hexachlorobiphenyl; 2,2',3,3',5,6'-	6030	4120	38	
Hexachlorobiphenyl; 2,2',3,3',5,6-	941	773	20	
Hexachlorobiphenyl; 2,2',3,3',6,6'-	2470	1550	46	
Hexachlorobiphenyl; 2,2',3,4,4',5-	837	578	37	
Hexachlorobiphenyl; 2,2',3,4,4',6-	394	274	*	
Hexachlorobiphenyl; 2,2',3,4,5,5'-	2760	1830	41	
Hexachlorobiphenyl; 2,2',3,4',5,5'-	3190	2490	25	
Hexachlorobiphenyl; 2,2',3,4,5,6'-	56.7	213	*	
Hexachlorobiphenyl; 2,2',3,4,5,6-	NA	NA	ND	

Hexachlorobiphenyl; 2,2',3,4,5',6-	712	465	42	
Hexachlorobiphenyl; 2,2',3,4',5,6'-	97.8	99.8	*	
Hexachlorobiphenyl; 2,2',3,4',5,6-	14400	9500	41	
Hexachlorobiphenyl; 2,2',3,4,6,6'-	8.88	157	*	
Hexachlorobiphenyl; 2,2',3,4',6,6'-	95.7	67.7	*	
Hexachlorobiphenyl; 2,2',3,5,6,6'-	36.9	34.3	*	
Hexachlorobiphenyl; 2,2',4,4',5,5'-	14300	10700	29	
Hexachlorobiphenyl; 2,2',4,4',5,6'-	510	412	21	
Hexachlorobiphenyl; 2,2',4,4',6,6'-	6.89	11.2	*	
Hexachlorobiphenyl; 2,3,3',4,4',5-	1930	1610	18	
Hexachlorobiphenyl; 2,3,3',4,4',6-	1570	1130	33	
Hexachlorobiphenyl; 2,3,3',4,5,5'-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4',5,5'-	36.5	39.8	*	
Hexachlorobiphenyl; 2,3,3',4,5,6-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4,5',6-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4',5',6-	1250	858	37	
Hexachlorobiphenyl; 2,3,3',5,5',6-	157	18.2	*	
Hexachlorobiphenyl; 3,3',4,4',5,5'-	NA	NA	ND	
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	560	468	18	
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	70.3	57.4	*	
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	162	134	*	
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1100	1230	11	
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	655	685	4	
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	464	523	12	
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	245	199	*	
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1390	1430	3	
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	192	159	*	
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	233	261	11	
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	916	909	1	
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	NA	NA	ND	
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	59.6	63.9	*	
PCB-167	598	523	13	
PCB-82	1420	976	37	
Pentachlorobiphenyl; 2,2',3,3',5-	1190	657	58	J
Pentachlorobiphenyl; 2,2',3,3',6-	3440	2240	42	
Pentachlorobiphenyl; 2,2',3,4,4'-	1980	1470	30	
Pentachlorobiphenyl; 2,2',3,4,5-	9010	6460	33	
Pentachlorobiphenyl; 2,2',3,4',5-	15300	11800	26	
Pentachlorobiphenyl; 2,2',3,4,6'-	108	63.8	*	
Pentachlorobiphenyl; 2,2',3,4,6-	2340	1840	24	
Pentachlorobiphenyl; 2,2',3,4',6'-	413	358	*	
Pentachlorobiphenyl; 2,2',3,5,5'-	3570	2770	25	
Pentachlorobiphenyl; 2,2',3,5,6'-	128	125	*	
Pentachlorobiphenyl; 2,2',3,5,6-	539	767	35	
Pentachlorobiphenyl; 2,2',3,5',6-	14900	8970	50	
Pentachlorobiphenyl; 2,2',3,6,6'-	141	105	*	

Pentachlorobiphenyl; 2,2',4,4',5-	6350	5590	13
Pentachlorobiphenyl; 2,2',4,5',6-	888	371	4
Pentachlorobiphenyl; 2,2',4,6,6'-	50.7	75.6	*
Pentachlorobiphenyl; 2,3,3',4,4'-	3790	3070	21
Pentachlorobiphenyl; 2,3,3',4,5'-	462	380	*
Pentachlorobiphenyl; 2,3,3',4,5-	NA	NA	ND
Pentachlorobiphenyl; 2,3,3',4',5'-	131	114	*
Pentachlorobiphenyl; 2,3,3',4',5-	795	783	2
Pentachlorobiphenyl; 2,3,3',4',6-	17000	12100	34
Pentachlorobiphenyl; 2,3,3',5,5'-	31.6	23.2	*
Pentachlorobiphenyl; 2,3,3',5,6-	NA	NA	ND
Pentachlorobiphenyl; 2,3,4,4',5-	206	166	*
Pentachlorobiphenyl; 2,3',4,4',5'-	118	111	*
Pentachlorobiphenyl; 2,3',4,4',5-	11000	9840	11
Pentachlorobiphenyl; 2,3',4,5,5'-	111	112	*
Pentachlorobiphenyl; 2,3',4,5',6-	157	22.7	*
Pentachlorobiphenyl; 3,3',4,4',5-	157	37.9	*
Pentachlorobiphenyl; 3,3',4,5,5'-	157	26.2	*
Polychlorinated Biphenyl (PCB)	245000	193000	*
TETRACHLORO 1,1'-BIPHENYL	6380	5280	19
Tetrachlorobiphenyl; 2,2',3,3'-	807	688	16
Tetrachlorobiphenyl; 2,2',3,4'-	470	370	24
Tetrachlorobiphenyl; 2,2',3,4-	157	28.5	*
Tetrachlorobiphenyl; 2,2',3,5'-	5900	4960	17
Tetrachlorobiphenyl; 2,2',3,5-	157	44.9	*
Tetrachlorobiphenyl; 2,2',3,6'-	89.2	80.4	*
Tetrachlorobiphenyl; 2,2',3,6-	1260	1350	7
Tetrachlorobiphenyl; 2,2',4,5'-	2990	2450	20
Tetrachlorobiphenyl; 2,2',4,5-	167	139	*
Tetrachlorobiphenyl; 2,2',4,6-	493	476	4
Tetrachlorobiphenyl; 2,2',5,5'-	8430	5300	46
Tetrachlorobiphenyl; 2,2',6,6'-	137	188	*
Tetrachlorobiphenyl; 2,3,3',4'-	681	631	8
Tetrachlorobiphenyl; 2,3,3',4-	NA	NA	ND
Tetrachlorobiphenyl; 2,3,3',5'-	157	34.7	*
Tetrachlorobiphenyl; 2,3,3',5-	NA	NA	ND
Tetrachlorobiphenyl; 2,3,3',6-	201	202	*
Tetrachlorobiphenyl; 2,3,4,4'-	197	170	*
Tetrachlorobiphenyl; 2,3',4,4'-	2100	2310	10
Tetrachlorobiphenyl; 2,3,4',5-	96.9	109	*
Tetrachlorobiphenyl; 2,3',4,5'-	115	127	*
Tetrachlorobiphenyl; 2,3',4,5-	44.4	68.5	*
Tetrachlorobiphenyl; 2,3,4',6-	973	697	33
Tetrachlorobiphenyl; 2,3',5,5'-	113	124	*
Tetrachlorobiphenyl; 2,3',5',6-	109	106	*
Tetrachlorobiphenyl; 3,3',4,4'-	182	259	35

Tetrachlorobiphenyl; 3,3',4,5'-	156	135	*	
Tetrachlorobiphenyl; 3,3',4,5-	NA	NA	ND	
Tetrachlorobiphenyl; 3,3',5,5'-	NA	NA	ND	
Tetrachlorobiphenyl; 3,4,4',5-	NA	NA	ND	
Trichlorobiphenyl; 2,2',3-	182	82.1	*	
Trichlorobiphenyl; 2,2',4-	254	172	*	
Trichlorobiphenyl; 2,2',5-	398	427	*	
Trichlorobiphenyl; 2,2',6-	121	119	*	
Trichlorobiphenyl; 2,3,3'-	638	603	6	
Trichlorobiphenyl; 2,3,4'-	182	213	*	
Trichlorobiphenyl; 2,3,4-	393	427	*	
Trichlorobiphenyl; 2,3',4-	64.3	65.2	*	
Trichlorobiphenyl; 2,3,5-	NA	NA	ND	
Trichlorobiphenyl; 2,3',5'-	157	9.81	*	
Trichlorobiphenyl; 2,3',5-	96.2	109	*	
Trichlorobiphenyl; 2,3,6-	NA	NA	ND	
Trichlorobiphenyl; 2,3',6-	52.9	39.5	*	
Trichlorobiphenyl; 2,4',5-	490	374	27	
Trichlorobiphenyl; 2,4',6-	239	213	*	
Trichlorobiphenyl; 3,3',4-	157	213	*	
Trichlorobiphenyl; 3,3',5-	NA	NA	ND	
Trichlorobiphenyl; 3,4,4'-	168	220	27	
Trichlorobiphenyl; 3,4,5-	NA	NA	ND	
Trichlorobiphenyl; 3,4',5-	157	26.2	*	

* One or both results values $\leq 5x$ PQL, the absolute difference $\leq 2x$ PQL. No qualification.

** One or both results values $\leq 5x$ PQL, the absolute difference $> 2x$ PQL.

ND= Not Detected

NA= Not applicable

B= Blank Contamination

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		21	0
*	Data Completeness		21	0
*	Preservation and Technical Holding Time		21	0
*	Initial and Continuing Calibrations		21	0
*	Chromatographic Resolution		21	0
*	Labeled Compounds/Surrogates		21	0
	Laboratory and Field Blanks Analyses	x	21	21
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	x	21	1
	Field Duplicate	x	21	2
*	Laboratory Control Sample(LCS)		21	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible		21	19
*	Sample Cleanup		21	0
*	Sample Analysis & Identification		21	0
	Compound Quantitation & Total Homologues	x	21	21

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified "U1", "J" or "J+", based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
<i>PCBs Congeners</i>	2-CHLOROBIPHENYL	5.78	pg/g	Method	All Samples
	4,4'-DICHLOROBIPHENYL	8.5	pg/g	Method	All Samples
	2-CHLOROBIPHENYL	5.78	pg/g	Method	All Samples
	4,4'-DICHLOROBIPHENYL	8.5	pg/g	Method	All Samples
	Chlorobiphenyl; 3-	5.64	pg/g	Method	All Samples
	Chlorobiphenyl; 4-	6.1	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,2'-	35.4	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,3'-	11.3	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,4'-	39.7	pg/g	Method	All Samples
	Dichlorobiphenyl; 3,3'-	411	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-4.24	4.24	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4,4',5',6-2.88	2.88	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4',5,5',6-2.9	2.9	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',4,5-9.4	9.4	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',5,6'-6.48	6.48	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',6,6'-3.64	3.64	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,4',5,6-9.34	9.34	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',4,4',5,5'-7.82	7.82	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,3,3',4,4',5-3.48	3.48	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,3',6-	8.06	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,4,5-22.9	22.9	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,4',5-29	29	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,5',6-25.1	25.1	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',4,4',5-9.32	9.32	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3,3',4,4'-5.3	5.3	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3,3',4',6-23.2	23.2	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3',4,4',5-11.6	11.6	pg/g	Method	All Samples
	Polychlorinated Biphenyl (PCB)1080	1080	pg/g	Method	All Samples
	TETRACHLORO 1,1'-BIPHENYL30.9	30.9	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',3,5'-	45.6	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',3,6-	11.4	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',4,5'-	14.7	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',4,6-	4.24	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',5,5'-	52.2	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3,3',4'-	6.46	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3',4,4'-	12	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3,4',6-	8.06	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',3-	7.66	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',4-	11.7	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',5-	14.3	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',6-	9.06	pg/g	Method	All Samples
Trichlorobiphenyl; 2,3,3'-	40.5	pg/g	Method	All Samples	
Trichlorobiphenyl; 2,3,4'-	11	pg/g	Method	All Samples	
Trichlorobiphenyl; 2,3,4-	19.5	pg/g	Method	All Samples	

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	Trichlorobiphenyl; 2,3',4-	4.54	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,3',5-	6.86	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,3',6-	5.48	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,4',5-	29.8	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,4',6-	11.3	pg/g	Method	All Samples
	Trichlorobiphenyl; 3,3',4-	5.06	pg/g	Method	All Samples
	Trichlorobiphenyl; 3,4,4'-	7.1	pg/g	Method	All Samples

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** The MS/MSD of Sample SIB-SC-R02-3-4 (Lab ID# 20455003) displayed high recoveries for 118-PeCB (Pentachlorobiphenyl; 2,3',4,4',5'-). Positive result for this congener in the parent samples was qualified “J”.
- **Compound Quantitation:** Pentachlorobiphenyl; 2,2',3,5',6- exceeded the calibration range in sample SIB-SC-N07-1-2 (20455010), positive result was qualified “UJ”. Also, several congeners were coeluted with other peaks in all samples, positive results & quantitation limits were qualified “J” & “UJ”, respectively.
- **Estimated Maximum Possible Concentration (EMPC):** Several congeners were reported as EMPC in several samples. Positive results for these congeners the associated samples were qualified “J”.

NOTES

- None noted.

REPORT CONTENT STATEMENT

All data for this project were reviewed in accordance with the pertinent parts of the U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. The text of the report addresses only those problems affecting data usability.

ATTACHMENTS

- 1) Glossary of Data Qualifiers
- 2) Electronic Data Deliverable (EDD). These include:
 - (a) All results for target compounds with qualifier codes where applicable.
 - (b) All unusable detection limits (qualified "R"), where applicable.
- 3) Electronic Data Package (.pdf file) as Support Documentation

DCN: HG012301-0416

Respectfully Submitted,

Sherif N. Mina
Sherif N. Mina

Date: *April 19, 2023*

QA/Review: *SM*



MCGI

USEPA Data Validation
Dioxins/Furans & PCBs Congeners
Data Validation Report

Swan Island Basin Project Area
CERCLA Docket No. 10-2021-001
Portland Harbor Superfund Site
Portland, Multnomah County, Oregon

Lab SDG's No. WO20416, WO20455 & WO20465
MCGI Project No. HG012301-0416

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April 2023

CONTENTS

- GLOSSARY OF ACRONYMS & TERMS
- COMMUNICATION RECORDS
- GLOSSARY OF DATA VALIDATION QUALIFIERS
- REASON CODES
- DATA VALIDATION REPORT NARRATIVE
- ELECTRONIC DATA DELIVERABLE (EDD) with applicable qualifiers, Refer to the EDD Excel file.
- SUPPORT DOCUMENTATION, Refer to the electronic Data Package PDF file.

GLOSSARY OF ACRONYMS & TERMS

GLOSSARY OF ACRONYMS & TERMS

One or more of the following acronyms and terms may have been used in the descriptive process of the **Organic** Data Validation.

Acronyms:

<i>BFB</i>	Bromofluorobenzene (volatile instrument performance check)
<i>BNA</i>	Base/Neutral/Acid
<i>CCCs</i>	Calibration Check Compounds
<i>CF</i>	Calibration Factor
<i>CLP</i>	Contract Laboratory Program
<i>COC</i>	Chain of Custody
<i>CRDL</i>	Contract Required Detection Limit
<i>CRQL</i>	Contract Required Quantitation Limit
<i>CSF</i>	Complete SDG File
<i>%D</i>	Percent Difference
<i>DCB</i>	Decachlorobiphenyl (Pesticide/PCB/ surrogate compound)
<i>DFTPP</i>	Decafluorotriphenylphosphine (semivolatile instrument performance check)
<i>DSF</i>	Data Summary Form
<i>ECD</i>	Electron-Capture Detector
<i>EICP</i>	Extended Ion Current Profile
<i>EPA</i>	United States Environmental Protection Agency
<i>GC</i>	Gas Chromatography
<i>GC/EC</i>	Gas Chromatography/Electron Capture
<i>GC/MS</i>	Gas Chromatography/Mass Spectra
<i>GPC</i>	Gel Permeation Chromatography (Clean Up)
<i>ICAL</i>	Initial Calibration
<i>IS</i>	Internal Standard
<i>LCS</i>	Laboratory Control Sample
<i>LCL</i>	Lower Control Limit
<i>MCL</i>	Maximum Contamination Level
<i>MDL</i>	Method Detection Limit
<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>m/z</i>	The ratio of mass (m) to charge (z) of ions measured by GC/MS
<i>OADS</i>	Organic Analysis Data Sheet (Form 1)
<i>ORDA</i>	Organic Regional Data Assessment
<i>PCB</i>	Poly Chlorinated Biphenyl
<i>PEM</i>	Performance Evaluation Mixture

<i>QA/QC</i>	Quality Assurance/Quality Control
<i>QAPjP</i>	Quality Assurance Project Plan
<i>QC</i>	Quality Control
<i>%R</i>	Percent Recovery of spiked amount
<i>RF</i>	Response Factor
<i>RIC</i>	Reconstructed Ion Chromatogram
<i>RPD</i>	Relative Percent Difference
<i>RRF</i>	Relative Response Factor
<i>RSD</i>	Relative Standard Deviation
<i>RT</i>	Retention Time
<i>RTW</i>	Retention Time Window
<i>SDG</i>	Sample Delivery Group
<i>SMC</i>	System Monitoring Compound
<i>SOP</i>	Standard Operation Procedures
<i>SOW</i>	Statement of Work
<i>SPCCs</i>	System Performance Check Compounds
<i>SSL</i>	Samples Shipping Log
<i>SVOA</i>	Semivolatile Organic Analyte
<i>TCL</i>	Target Compound List
<i>TCX</i>	Tetrachloro-m-Xylene (Pesticide/PCB surrogate compound)
<i>TIC</i>	Tentatively Identified Compound
<i>TPH</i>	Total Petroleum Hydrocarbons
<i>UCL</i>	Upper Control Limit
<i>VOA</i>	Volatile Organic Analyte
<i>VTSR</i>	Validated Time of Sample Receipt

Terms:

Associated Samples

Any sample related to a particular QC analysis.

Case

A finite, usually predetermined number of samples collected over a given time period for a particular site. A Case consists of one or more Sample Delivery Group(s).

Contractual Holding Time

The time from VTSR (validated time of sample receipt) to laboratory extraction and /or analysis.

Data Validation Qualifier (DVQ)

This refers to the column on the data summary form in which EPA Region III and other qualifiers have been placed by the data validator.

Data Validation Result (DVR)

This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit.

Field Blank Field blanks are intended to identify contaminants that may have been introduced in the field. Examples are rinsate blank (RB), field blanks (FB) and trip blank (TB).

Field Duplicate

A duplicate sample generated in the field; not in the laboratory.

Initial Calibration (ICAL)

The establishment of a calibration curve with the appropriate number of standards and concentration ranges. The calibration curve plots absorbances and/or emissions versus concentration of the standards. .

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Introduction of a known concentration of a compound into a sample to provide information about the effect of sample matrix on the extraction and/or measurement methodology.

Performance Evaluation Mixture

A standard used to verify that the ICAL sequence is stable throughout the GC or GC/MS analyses.

Sample Delivery Group (SDG)

Defined by one of the following, whichever occurs first:

- case of sample
- each twenty field samples in a case or
- each 14-day calendar period during which field samples in a case are received, beginning with the receipt of the first sample in the SDG.

Technical Holding Time

The time from sample collection to laboratory extraction and /or analysis

GLOSSARY OF ACRONYMS & TERMS

One or more of the following acronyms and terms may have been used in the descriptive process of the **Inorganic** Data Validation.

Acronyms:

<i>AA</i>	Atomic Absorption
<i>CCB</i>	Continuing Calibration Blank
<i>CCV</i>	Continuing Calibration Verification
<i>CF</i>	Calibration Factor
<i>CLP</i>	Contract Laboratory Program
<i>COC</i>	Chain of Custody
<i>CRDL</i>	Contract Required Detection Limit
<i>CSF</i>	Complete SDG File
<i>CV</i>	Cold Vapor
<i>%D</i>	Percent Difference
<i>EPA</i>	United States Environmental Protection Agency
<i>ICAL</i>	Initial Calibration
<i>ICB</i>	Initial Calibration Blank
<i>ICP</i>	Inductively Coupled Plasma
<i>ICS</i>	Interference Check Sample
<i>ICV</i>	Initial Calibration Verification
<i>IDL</i>	Instrument Detection Limit
<i>LCS</i>	Laboratory Control Sample
<i>LCL</i>	Lower Control Limit
<i>MCL</i>	Maximum Contamination Level
<i>MDC</i>	Minimum Detectable Concentration
<i>MDL</i>	Method Detection Limit
<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>MSA</i>	Method of Standard Addition
<i>PB</i>	Preparation Blank
<i>PCB</i>	Poly Chlorinated Biphenyl
<i>QA/QC</i>	Quality Assurance/Quality Control
<i>QAPjP</i>	Quality Assurance Project Plan
<i>QC</i>	Quality Control

%R	Percent Recovery of spiked amount
RPD	Relative Percent Difference
RRF	Relative Response Factor
RSD	Relative Standard Deviation
SDG	Sample Delivery Group
SOP	Standard Operation Procedures
SOW	Statement of Work
SSL	Samples Shipping Log
TAL	Target Analyte List
UCL	Upper Control Limit
VTSR	Validated Time of Sample Receipt

Terms:

Associated Samples

- Any sample related to a particular QC analysis. For Example:
- For ICV, all samples run under the same calibration curve.
 - For duplicate RPD, all SDG samples digested/distilled of the same matrix.

Case A finite, usually predetermined number of samples collected over a given time period for a particular site. A Case consists of one or more Sample Delivery Group(s).

Continuing Calibration Blank (CCB)

A deionized water sample run every ten (10) samples designed to detect any carryover contamination.

Continuing Calibration Verification (CCV)

A deionized water sample run every ten (10) samples designed to detect any carryover contamination.

Contract Compliance Screening (CCS)

A process in which the SMO inspects the data for contractual compliance and provides EMSL-LV laboratories and the Regions with their findings.

Contractual Holding Time

The time from VTSR (validated time of sample receipt) to laboratory extraction and /or analysis.

Data Validation Qualifier (DVQ)

This refers to the column on the data summary form in which EPA Region III and other qualifiers have been placed by the data validator.

Data Validation Result (DVR)

This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit.

Field Blank Field blanks are intended to identify contaminants that may have been introduced in the field. Examples are rinsate blank (RB), field blanks (FB) and trip blank (TB).

Field Duplicate

A duplicate sample generated in the field; not in the laboratory.

Initial Calibration (ICAL)

The establishment of a calibration curve with the appropriate number of standards and concentration ranges. The calibration curve plots absorbancies and/or emissions versus concentration of the standards.

Initial Calibration Blank (ICB)

First blank run after the calibration curve

Initial Calibration Verification (ICV)

First standard run after the calibration curve

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Introduction of a known concentration of a compound into a sample to provide information about the effect of sample matrix on the extraction and/or measurement methodology.

Post Digestion Spike

The addition of known amount of standard after digestion. (Also identified as analytical spike, or spike, for furnace analyses.)

Preparation Blank (PB)

Blank taken through the digestion process to detect internal laboratory contamination.

Sample Delivery Group (SDG)

Defined by one of the following, whichever occurs first:

- case of sample
- each twenty field samples in a case or
- each 14-day calendar period during which field samples in a case are received, beginning with the receipt of the first sample in the SDG.

Serial Dilution

A sample run at a specific dilution to determine whether any significant chemical or physical interferences exist due to sample matrix effect, for ICP only.

Technical Holding Time

The time from sample collection to laboratory extraction and /or analysis.

COMMUNICATION RECORDS

N/A

GLOSSARY OF DATA VALIDATION QUALIFIERS

GLOSSARY OF DATA QUALIFIER CODES

CODES RELATED TO IDENTIFICATION:

(Confidence concerning presence or absence of compounds)

U	=	Not detected above the level of the associated value. The associated value is either the approximate sample quantitation or detection limit.
NO CODE	=	Confirmed identification
U1	=	Not detected substantially above the level reported in laboratory or field blanks.
R	=	Unusable results. Analyte may or may not be present in the sample.
N	=	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION:

(Can be used for both positive results and sample quantitation limits)

J	=	Analyte present. Reported value may not be accurate or precise (estimated value).
J+	=	Analyte present. Reported value may be biased high. Result is estimated high.
J-	=	Analyte present. Reported value may be biased low. Result is estimated low.
UJ	=	Not detected. Quantitation limit may be inaccurate or imprecise (Estimated).
UJ-	=	Not detected. Quantitation limit is probably higher.

OTHER CODES:

NJ	=	Qualitative identification questionable. Presumptively present at approximate quantity.
Q	=	No analytical result.
X	=	Data not Validated.

DATA VALIDATION REPORT NARRATIVE



MCGI

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DATE: April 19, 2023

SUBJECT: USEPA Dioxins/Furans & PCBs Congeners Data Validation Report
Lab SDG's No. WO20416, WO20455 & WO20465

Site: Swan Island Basin Project Area
CERCLA Docket No. 10-2021-001
Portland Harbor Superfund Site
Portland, Multnomah County, Oregon
MCGI Project No. HG012301-0416

FROM: Sherif N. Mina
Meridian Consultant Group, Inc.

TO: Ms. Andrea Fletcher
HydroGeoLogic, Inc.

OVERVIEW

This report consists of three (3) Sample Delivery Groups (SDGs) for a total of fifty-eight (58) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans & PCBs Congeners analyses according to EPA Methods 1613B & 1668C, respectively. Details about each SDG are listed in separate sections below. The samples were analyzed in accordance with the Chain-of-Custody (COC).

Stage-4 data validation was performed on SDG WO20465; and Stage-2A data validation was performed on SDGs WO20416 & WO20455.

The analytical results were validated according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses.

The qualifications of the data were according to the USEPA NFG; However, the QC criteria listed in the Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), dated May 2022, superseded the QC criteria listed in the USEPA NFG during the data validation.

Deviation from USEPA NFG: The “U” qualifier recommended by USEPA NFG for blank contamination was replaced by the “U1” qualifier to clearly indicate blank contamination on the EDDs.

Stage-2A Data Validation: The following QC’s were reviewed and evaluated:

- Data Completeness & COC.
- Holding Time.
- Sample results.
- Method & Field Blanks.
- Surrogate Recoveries.
- Laboratory & Field Duplicates.
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD).
- Matrix Spike/Matrix Spike Duplicate (MS/MSD).

Stage-4 Data validation: All QC’s were reviewed and evaluated as per USEPA NFG.

GENERAL NOTES

- **Electronic Data Deliverable (EDD):** Several rows in the electronic data deliverable (EDD) are marked with an “X” and hidden from the EDDs by the validator. These rows may include quality control samples such as Method Blanks, Laboratory Control Samples, Matrix Spikes, or Matrix Spike Duplicates which are not validated. Additionally, some field sample results may not be used since only one (1) result for each compound is reported after validation. The following list indicates some instances in which an “X” may be placed in the DVQ column:
 1. The compounds in an analysis that have exceeded the instrument calibration range.
 2. All compounds in a diluted analysis that were within the calibration range in the initial analysis.
 3. All compounds in either the initial analysis or re-analysis of a sample, depending on which analysis is not reported on the EDD.Although QC samples and some field samples results may not be used, all data were reviewed and considered in the overall assessment.
- **Data Validation Qualifier (DVQ):** This refers to the column on the data summary form in which EPA and other qualifiers have been placed by the data validator.
- **Data Validation Result (DVR):** This refers to the column on the data summary form used to report results that have been modified by the data validator. A result in the DVR column that is qualified “U” indicates a modification of the reporting limit. Results in the DVR column supersede those reported by the laboratory.
- **Compound Quantitation:** Positive results for compounds which are below the CRQL were qualified as estimated “J” on the EDD.

[1-SDG: WO20465 - Stage-4](#)

This SDG consisted of nineteen (19) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans analysis according to EPA Method 1613B. No field duplicate pairs were identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	D
SIB-SC-B32-1-2-07/25/2022	20465001	Soil	x
SIB-SC-B32-2-3-07/25/2022	20465002	Soil	x
SIB-SC-B32-3-4-07/25/2022	20465003	Soil	x
SIB-SC-B32-4-5-07/25/2022	20465004	Soil	x
SIB-SC-B32-5-6-07/25/2022	20465005	Soil	x
SIB-SC-D35-1-2-08/04/2022	20465006	Soil	x
SIB-SC-D35-2-3-08/04/2022	20465007	Soil	x
SIB-SC-D35-3-4-08/04/2022	20465008	Soil	x
SIB-SC-D35-4-5-08/04/2022	20465009	Soil	x
SIB-SC-D35-5-6-08/04/2022	20465010	Soil	x
SIB-SC-D35-6-7-08/04/2022	20465011	Soil	x
SIB-SC-D35-7-8-08/04/2022	20465012	Soil	x
SIB-SC-D35-8-9-08/04/2022	20465013	Soil	x
SIB-SC-D35-9-10-08/04/2022	20465014	Soil	x
SIB-SC-D35-10-11-08/04/2022	20465015	Soil	x
SIB-SC-D35-11-12-08/04/2022	20465016	Soil	x
SIB-SC-D35-12-13-08/04/2022	20465017	Soil	x
SIB-SC-D35-13-14-08/04/2022	20465018	Soil	x
SIB-SC-D35-14-15-08/04/2022	20465019	Soil	x

D=Dioxins/Furans

Field Duplicates: N/A

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		19	0
*	Data Completeness		19	0
*	Preservation and Technical Holding Time		19	0
*	Initial and Continuing Calibrations		19	0
*	Chromatographic Resolution		19	0
*	Labeled Compounds/Surrogates		19	0
	Laboratory and Field Blanks Analyses	x	19	5
*	Matrix Spike/Matrix Spike Duplicate (MS/MSD)		19	0
*	Field Duplicate		19	0
*	Laboratory Control Sample(LCS)		19	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible Concentration (EMPC)	x	19	19
*	Sample Cleanup		19	0
*	Sample Analysis & Identification		19	0
	Compound Quantitation & Total Homologues	x	19	9

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified “U1”, “J” or “J+”, based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
<i>Dioxins/Furans</i>	OCDD	1.52	pg/g	Method	All Samples
	1,2,3,4,6,7,8-HpCDF	0.23	pg/g	Method	All Samples

- **Compound Quantitation:** OCDD and/or Heptachlorodibenzo-p-Dioxin exceeded the calibration range in several samples. Positive results for these homologues in the affected samples were qualified “J”.
- **Estimated Maximum Possible Concentration (EMPC):** Several homologues were reported as EMPC in all samples. Positive results for these homologues in the associated samples were qualified “J”.

NOTES

- **Laboratory Control Sample (LCS):** The LCS associated with all samples displayed a slightly low recovery @ 79.3% (<80%) for 1,2,3,7,8-PeCDF. The LCSD & MS/MSD displayed recoveries within the acceptance limits for this homologue. It's the validator's professional judgement not to qualify the data based on this minor LCS recovery.

2-SDG: WO20416 - Stage-2A

This SDG consisted of eighteen (18) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for Dioxins/Furans analysis according to EPA Method 1613B. One (1) soil field duplicate pair was identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	D
SIB-SC-H08-1-2-07/26/2022	20416001	Soil	x
FD-20-07/26/2022	20416002	Soil	x
SIB-SC-H08-2-3-07/26/2022	20416003	Soil	x
SIB-SC-H08-3-4-07/26/2022	20416004	Soil	x
SIB-SC-H08-4-5-07/26/2022	20416005	Soil	x
SIB-SC-H08-5-6-07/26/2022	20416006	Soil	x
SIB-SC-H07-1-2-07/26/2022	20416007	Soil	x
SIB-SC-H07-2-3-07/26/2022	20416008	Soil	x
SIB-SC-H07-3-4-07/26/2022	20416009	Soil	x
SIB-SC-H07-4-5-07/26/2022	20416010	Soil	x
SIB-SC-H07-5-6-07/26/2022	20416011	Soil	x
SIB-SC-H06-1-2-07/26/2022	20416012	Soil	x
SIB-SC-H06-2-3-07/26/2022	20416013	Soil	x
SIB-SC-H06-3-4-07/26/2022	20416014	Soil	x
SIB-SC-H06-4-5-07/26/2022	20416015	Soil	x
SIB-SC-H06-5-6-07/26/2022	20416016	Soil	x
SIB-SC-H06-4-5-07/26/2022	20416017	Soil	x
SIB-SC-H06-5-6-07/26/2022	20416018	Soil	x

D=Dioxins/Furans

Field Duplicates: FD-20 Duplicate of SIB-SC-H08-1-2

- Field Duplicates:** For the associated field duplicate pair, an RPD of 50% was used as the QC limit for results $\geq 5x$ the PQL; when results (one or both detected values $\leq 5x$ PQL) or when one result is a non-detection, the contr limit is absolute difference $\leq 2x$ PQL (solid matrix). Non-detected values will be assigned the nominal value of the EDL for making this comparison, as per the project QAPP. Qualification based on the field duplicates are only applied to the field duplicate samples. A table summarizing the RPDs for the associated field duplicate pair is provided below.

Compound	FD-20	SIB-SC-H08-1-2	RPD	Qualifier
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	227	417	59	J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1380	2450	56	J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	25.3	41.2	48	
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	17	25.2	*	
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.06	11.8	*	
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	9.27	14.6	*	
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	40.4	76.3	62	J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	3.99	6.25	*	
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	17.4	33.5	**	J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	3.36	5.6	*	
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.4	8.82	*	
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	10.9	18.7	*	
2,3,4,7,8-PENTACHLORODIBENZOFURAN	7.64	10.5	*	
2,3,7,8-TETRACHLORODIBENZOFURAN	9.51	13.4	*	
2,3,7,8-TETRACHLORODIBENZOFURAN	7.36	12.4	*	
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1.2	2.17	*	
Heptachlorodibenzo-P-Dioxin	2510	4430	55	J
HEXACHLORODIBENZOFURAN	329	575	54	J
HEXACHLORODIBENZO-P-DIOXIN	496	861	54	J
OCTACHLORODIBENZOFURAN	1170	1770	41	
OCTACHLORODIBENZO-P-DIOXIN	15400	27100	55	J
PENTACHLORO DIBENZOFURAN	141	205	37	
PENTACHLORODIBENSO-P-DIOXIN	79.1	142	57	
TETRACHLORINATED DIBENZOFURANS, (TOTAL)	77.9	117	40	
TETRACHLORODIBENZO-P-DIOXIN	23	38.5	**	J
TOTAL HpCDFs	960	1690	55	J

* One or both results values $\leq 5x$ PQL, the absolute difference $\leq 2x$ PQL. No qualification.

** One or both results values $\leq 5x$ PQL, the absolute difference $> 2x$ PQL.

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		18	0
*	Data Completeness		18	0
*	Preservation and Technical Holding Time		18	0
*	Initial and Continuing Calibrations		18	0
*	Chromatographic Resolution		18	0
*	Labeled Compounds/Surrogates		18	0
	Laboratory and Field Blanks Analyses	x	18	16
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	x	18	1
	Field Duplicate	x	18	2
*	Laboratory Control Sample(LCS)		18	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible	x	18	18
*	Sample Cleanup		18	0
*	Sample Analysis & Identification		18	0
	Compound Quantitation & Total Homologues	x	18	7

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified “U1”, “J” or “J+”, based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

Analytical Fraction	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
Dioxins/Furans	1,2,3,4,6,7,8-HpCDF	0.512	pg/g	Method	All Samples*
	1,2,3,4,7,8-HxCDF	0.32	pg/g	Method	All Samples*

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	1,2,3,6,7,8-HxCDF	0.328	pg/g	Method	All Samples*
	1,2,3,7,8-PeCDF	0.26	pg/g	Method	All Samples*
	1,2,3,4,6,7,8,9-OCDD	1.12	pg/g	Method	All Samples*

* This blank is associated with the initial analysis

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	1,2,3,7,8,9-HxCDD	0.190	pg/g	Method	All Samples**
	1,2,3,4,6,7,8-HpCDD	0.358	pg/g	Method	All Samples**
	1,2,3,4,6,7,8,9-OCDD	1.51	pg/g	Method	All Samples**
	1,2,3,7,8-PeCDF	0.226	pg/g	Method	All Samples**
	2,3,4,7,8-PeCDF	0.158	pg/g	Method	All Samples**
	1,2,3,4,7,8-HxCDF	0.246	pg/g	Method	All Samples**
	1,2,3,6,7,8-HxCDF	0.204	pg/g	Method	All Samples**
	2,3,4,6,7,8-HxCDF	0.184	pg/g	Method	All Samples**
	1,2,3,4,6,7,8-HpCDF	0.654	pg/g	Method	All Samples**
	1,2,3,4,6,7,8,9-OCDF	0.676	pg/g	Method	All Samples**

** This blank is associated with the re-analysis

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** The MS/MSD of Sample SIB-SC-H08-2-3 (Lab ID# 20416003) displayed low recoveries and/or RPDs outside the QC limit for 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 2,3,7,8-TCDF, 1,2,3,6,7,8-HpCDD, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8-HpCDF & 1,2,3,4,6,7,8,9-OCDF. Positive results for these homologues in the parent samples were qualified “J”.
- **Compound Quantitation:** OCDD and/or Heptachlorodibenzo-p-Dioxin exceeded the calibration range in several samples. Positive results for these homologues in the affected samples were qualified “J”.
- **Estimated Maximum Possible Concentration (EMPC):** Several homologues were reported as EMPC in all samples. Positive results for these homologues in the associated samples were qualified “J”.

NOTES

- None noted.

3-SDG: WO20455 - Stage-2A

This SDG consisted of twenty-one (21) soil samples submitted to Cape Fear Analytical (CFA), Wilmington, NC, for PCBs Congeners analysis according to EPA Method 1668C. Two (2) soil field duplicate pairs were identified in this SDG. The samples were analyzed in accordance with the Chain-of-Custody (COC), see Sample Identification Summary.

Sample Identification Summary

SAMPLE INFORMATION			Analysis
Field ID	Lab ID	Matrix	P
SIB-SC-R02-1-2-08222022	20455001	Soil	x
SIB-SC-R02-2-3-08/22/2022	20455002	Soil	x
SIB-SC-R02-3-4-08222022	20455003	Soil	x
SIB-SC-R02-4-5-08222022	20455006	Soil	x
SIB-SC-R02-5-6-08222022	20455007	Soil	x
FD-50-08/22/2022	20455008	Soil	x
SIB-SC-N07-0-1-08242022	20455009	Soil	x
SIB-SC-N07-1-2-08242022	20455010	Soil	x
SIB-SC-N07-2-3-08242022	20455011	Soil	x
SIB-SC-N07-3-3.6-08242022	20455012	Soil	x
SIB-SC-N05-1-2-09012022	20455013	Soil	x
SIB-SC-N05-2-3-09012022	20455014	Soil	x
SIB-SC-N05-3-4-09012022	20455015	Soil	x
SIB-SC-N05-4-5-09012022	20455016	Soil	x
SIB-SC-N05-5-6-09012022	20455017	Soil	x
SIB-SC-J08-1-2-09012022	20455018	Soil	x
SIB-SC-J08-2-3-09012022	20455019	Soil	x
SIB-SC-J08-3-4-09012022	20455020	Soil	x
SIB-SC-J08-4-5-09012022	20455021	Soil	x
SIB-SC-B07-0-1-09/05/2022	20455022	Soil	x
FD-58-09/05/2022	20455023	Soil	x

PPCBs Congeners

Field Duplicates: FD-50 Duplicate of SIB-SC-R02-2-3

FD-58 Duplicate of SIB-SC-B07-0-1

- Field Duplicates:** For the associated field duplicate pair, an RPD of 50% was used as the QC limit for results $\geq 5x$ the PQL; when results (one or both detected values $\leq 5x$ PQL) or when one result is a non-detection, the contr limit is absolute difference $\leq 2x$ PQL (solid matrix). Non-detected values will be assigned the nominal value of the EDL for making this comparison, as per the project QAPP. Qualification based on the field duplicates are only applied to the field duplicate samples. A table summarizing the RPDs for the associated field duplicate pair is provided below.

Compound	FD-50	SIB-SC-R02-2-3	RPD	Qualifier
2,3-DICHLOROBIPHENYL	ND	ND	NA	
2-CHLOROBIPHENYL	212	168	23	
4,4'-DICHLOROBIPHENYL	1590	2330	38	
Chlorobiphenyl; 3-	92	113	*	
Chlorobiphenyl; 4-	183	230	23	
DECACHLOROBIPHENYL	208	201	3	
Dichlorobiphenyl; 2,2'-	1520	1310	15	
Dichlorobiphenyl; 2,3'-	1970	2160	9	
Dichlorobiphenyl; 2,4'-	4340	4800	10	
Dichlorobiphenyl; 2,4-	164	166	1	
Dichlorobiphenyl; 2,5-	196	219	11	
Dichlorobiphenyl; 2,6-	73.7	71.4	*	
Dichlorobiphenyl; 3,3'-	700	790	12	
Dichlorobiphenyl; 3,4-	572	605	6	
Dichlorobiphenyl; 3,5-	ND	ND	NA	
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	1910	1530	22	
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	740	549	30	
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	387	301	25	
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	2470	1790	32	
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1840	1240	39	
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	127	77.4	*	
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	438	306	35	
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	970	623	44	
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1580	1140	32	
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	4890	3650	29	
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	32.3	26.1	*	
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	9.62	141 (ND)	*	
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	1860	1330	33	
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	4.03	141 (ND)	*	
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	4330	3050	35	
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	ND	ND	NA	
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	17.5	12.8	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	66.8	55	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	381	286	28	
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	71.4	52.3	*	
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	ND	ND	NA	
Hexachlorobiphenyl; 2,2',3,3',4,4'-	707	642	10	

Hexachlorobiphenyl; 2,2',3,3',4,5'-	565	485	15
Hexachlorobiphenyl; 2,2',3,3',4,5-	6890	5840	16
Hexachlorobiphenyl; 2,2',3,3',4,6'-	2410	2050	16
Hexachlorobiphenyl; 2,2',3,3',4,6-	54.5	57	*
Hexachlorobiphenyl; 2,2',3,3',5,5'-	444	349	24
Hexachlorobiphenyl; 2,2',3,3',5,6'-	4210	3430	20
Hexachlorobiphenyl; 2,2',3,3',5,6-	326	208	44
Hexachlorobiphenyl; 2,2',3,3',6,6'-	1740	1490	15
Hexachlorobiphenyl; 2,2',3,4,4',5-	195	181	7
Hexachlorobiphenyl; 2,2',3,4,4',6-	195	167	*
Hexachlorobiphenyl; 2,2',3,4,5,5'-	998	807	21
Hexachlorobiphenyl; 2,2',3,4',5,5'-	2420	2120	13
Hexachlorobiphenyl; 2,2',3,4,5,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	286	264	8
Hexachlorobiphenyl; 2,2',3,4',5,6'-	186	149	22
Hexachlorobiphenyl; 2,2',3,4',5,6-	8810	7000	23
Hexachlorobiphenyl; 2,2',3,4,6,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	141	125	*
Hexachlorobiphenyl; 2,2',3,5,6,6'-	ND	ND	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	8240	6870	18
Hexachlorobiphenyl; 2,2',4,4',5,6'-	702	614	13
Hexachlorobiphenyl; 2,2',4,4',6,6'-	5.73	6.04	*
Hexachlorobiphenyl; 2,3,3',4,4',5-	502	452	10
Hexachlorobiphenyl; 2,3,3',4,4',6-	425	360	17
Hexachlorobiphenyl; 2,3,3',4,5,5'-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	32.3	19.2	*
Hexachlorobiphenyl; 2,3,3',4,5,6-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	ND	ND	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	501	390	25
Hexachlorobiphenyl; 2,3,3',5,5',6-	29.6	141 (ND)	*
Hexachlorobiphenyl; 3,3',4,4',5,5'-	ND	ND	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	379	316	18
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	52.4	44.5	*
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	111	90.7	*
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1050	824	24
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	647	515	23
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	435	332	27
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	242	184	*
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1410	1080	27
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	223	150	39
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	308	208	39
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	772	636	19
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	ND	ND	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	52.3	39	*
PCB-167	180	154	16

PCB-82	435	366	17
Pentachlorobiphenyl; 2,2',3,3',5-	891	790	12
Pentachlorobiphenyl; 2,2',3,3',6-	1370	1160	17
Pentachlorobiphenyl; 2,2',3,4,4'-	1160	998	15
Pentachlorobiphenyl; 2,2',3,4,5-	2950	2450	19
Pentachlorobiphenyl; 2,2',3,4',5-	7330	6040	19
Pentachlorobiphenyl; 2,2',3,4,6'-	42.6	40.3	*
Pentachlorobiphenyl; 2,2',3,4,6-	1670	1380	19
Pentachlorobiphenyl; 2,2',3,4',6'-	352	266	*
Pentachlorobiphenyl; 2,2',3,5,5'-	2290	1760	26
Pentachlorobiphenyl; 2,2',3,5,6'-	81.6	52.7	*
Pentachlorobiphenyl; 2,2',3,5,6-	322	250	*
Pentachlorobiphenyl; 2,2',3,5',6-	6640	5480	19
Pentachlorobiphenyl; 2,2',3,6,6'-	92.3	89.6	*
Pentachlorobiphenyl; 2,2',4,4',5-	3390	2650	25
Pentachlorobiphenyl; 2,2',4,5',6-	406	325	22
Pentachlorobiphenyl; 2,2',4,6,6'-	6.41	7.28	*
Pentachlorobiphenyl; 2,3,3',4,4'-	927	774	18
Pentachlorobiphenyl; 2,3,3',4,5'-	102	85.2	*
Pentachlorobiphenyl; 2,3,3',4,5-	ND	ND	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	38.3	28.2	*
Pentachlorobiphenyl; 2,3,3',4',5-	405	319	24
Pentachlorobiphenyl; 2,3,3',4',6-	5980	5090	16
Pentachlorobiphenyl; 2,3,3',5,5'-	41	32	*
Pentachlorobiphenyl; 2,3,3',5,6-	ND	ND	NA
Pentachlorobiphenyl; 2,3,4,4',5-	43.3	46.6	*
Pentachlorobiphenyl; 2,3',4,4',5'-	26.3	25.6	*
Pentachlorobiphenyl; 2,3',4,4',5-	3550	2990	17
Pentachlorobiphenyl; 2,3',4,5,5'-	145	109	*
Pentachlorobiphenyl; 2,3',4,5',6-	21.2	14.7	*
Pentachlorobiphenyl; 3,3',4,4',5-	ND	ND	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	ND	ND	NA
Polychlorinated Biphenyl (PCB)	183000	163000	*
TETRACHLORO 1,1'-BIPHENYL	4880	4440	9
Tetrachlorobiphenyl; 2,2',3,3'-	2110	2130	1
Tetrachlorobiphenyl; 2,2',3,4'-	1090	1080	1
Tetrachlorobiphenyl; 2,2',3,4-	349	224	44
Tetrachlorobiphenyl; 2,2',3,5'-	5380	4490	18
Tetrachlorobiphenyl; 2,2',3,5-	101	141 (ND)	*
Tetrachlorobiphenyl; 2,2',3,6'-	323	345	7
Tetrachlorobiphenyl; 2,2',3,6-	979	969	1
Tetrachlorobiphenyl; 2,2',4,5'-	4730	4120	14
Tetrachlorobiphenyl; 2,2',4,5-	427	367	15
Tetrachlorobiphenyl; 2,2',4,6-	790	853	8
Tetrachlorobiphenyl; 2,2',5,5'-	6650	6110	8
Tetrachlorobiphenyl; 2,2',6,6'-	24.3	17.8	*

Tetrachlorobiphenyl; 2,3,3',4'-	975	906	7	
Tetrachlorobiphenyl; 2,3,3',4-	ND	ND	NA	
Tetrachlorobiphenyl; 2,3,3',5'-	32.4	25.5	*	
Tetrachlorobiphenyl; 2,3,3',5-	ND	ND	NA	
Tetrachlorobiphenyl; 2,3,3',6-	406	227	*	
Tetrachlorobiphenyl; 2,3,4,4'-	154	152	1	
Tetrachlorobiphenyl; 2,3',4,4'-	2720	2290	17	
Tetrachlorobiphenyl; 2,3,4',5-	120	112	*	
Tetrachlorobiphenyl; 2,3',4,5'-	213	149	35	
Tetrachlorobiphenyl; 2,3',4,5-	64.7	59.5	*	
Tetrachlorobiphenyl; 2,3,4',6-	1130	932	19	
Tetrachlorobiphenyl; 2,3',5,5'-	234	184	24	
Tetrachlorobiphenyl; 2,3',5',6-	ND	ND	NA	
Tetrachlorobiphenyl; 3,3',4,4'-	209	202	3	
Tetrachlorobiphenyl; 3,3',4,5'-	75.8	72.6	*	
Tetrachlorobiphenyl; 3,3',4,5-	ND	ND	NA	
Tetrachlorobiphenyl; 3,3',5,5'-	ND	ND	NA	
Tetrachlorobiphenyl; 3,4,4',5-	ND	ND	NA	
Trichlorobiphenyl; 2,2',3-	606	603	0	
Trichlorobiphenyl; 2,2',4-	2510	2480	1	
Trichlorobiphenyl; 2,2',5-	3870	3820	1	
Trichlorobiphenyl; 2,2',6-	429	388	10	
Trichlorobiphenyl; 2,3,3'-	6860	7910	14	
Trichlorobiphenyl; 2,3,4'-	762	721	6	
Trichlorobiphenyl; 2,3,4-	1150	1250	8	
Trichlorobiphenyl; 2,3',4-	1230	1650	29	
Trichlorobiphenyl; 2,3,5-	ND	ND	NA	
Trichlorobiphenyl; 2,3',5'-	65.9	82.2	*	
Trichlorobiphenyl; 2,3',5-	2110	2650	23	
Trichlorobiphenyl; 2,3,6-	ND	ND	NA	
Trichlorobiphenyl; 2,3',6-	367	399	8	
Trichlorobiphenyl; 2,4',5-	5270	6200	16	
Trichlorobiphenyl; 2,4',6-	1620	1720	6	
Trichlorobiphenyl; 3,3',4-	59.5	52.5	*	
Trichlorobiphenyl; 3,3',5-	ND	ND	NA	
Trichlorobiphenyl; 3,4,4'-	733	787	7	
Trichlorobiphenyl; 3,4,5-	ND	ND	NA	
Trichlorobiphenyl; 3,4',5-	59.4	61.2	*	

Compound	FD-58	SIB-SC-B07-0-1	RPD	Qualifier
2,3-DICHLOROBIPHENYL	157	32.5	*	
2-CHLOROBIPHENYL	173	895	135	J
4,4'-DICHLOROBIPHENYL	157	418	*	
Chlorobiphenyl; 3-	52.6	151	*	
Chlorobiphenyl; 4-	157	472	*	

DECACHLOROBIPHENYL	194	275	35	
Dichlorobiphenyl; 2,2'-	190	332	*	
Dichlorobiphenyl; 2,3'-	78	177	*	
Dichlorobiphenyl; 2,4'-	273	553	68	J
Dichlorobiphenyl; 2,4-	157	67.4	*	
Dichlorobiphenyl; 2,5-	43	63	*	
Dichlorobiphenyl; 2,6-	157	22.6	*	
Dichlorobiphenyl; 3,3'-	157	226	*	
Dichlorobiphenyl; 3,4-	57.5	193	*	
Dichlorobiphenyl; 3,5-	NA	NA	ND	
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	2910	3250	11	
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	1060	983	8	
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	522	512	2	
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	3190	2500	24	
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	1990	1870	6	
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	140	116	*	
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	445	351	24	
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	744	684	8	
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	1400	1130	21	
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	6110	6520	6	
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	38.3	35.4	*	
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	49.4	33.2	*	
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	2060	1980	4	
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	157	3.5	*	
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	3950	3660	8	
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	NA	NA	ND	
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	16.7	18.8	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	124	118	*	
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	565	631	11	
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	122	117	*	
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	NA	NA	ND	
Hexachlorobiphenyl; 2,2',3,3',4,4'-	2760	1950	34	
Hexachlorobiphenyl; 2,2',3,3',4,5'-	1180	879	29	
Hexachlorobiphenyl; 2,2',3,3',4,5-	18000	13700	27	
Hexachlorobiphenyl; 2,2',3,3',4,6'-	6650	4020	49	
Hexachlorobiphenyl; 2,2',3,3',4,6-	251	158	*	
Hexachlorobiphenyl; 2,2',3,3',5,5'-	463	346	29	
Hexachlorobiphenyl; 2,2',3,3',5,6'-	6030	4120	38	
Hexachlorobiphenyl; 2,2',3,3',5,6-	941	773	20	
Hexachlorobiphenyl; 2,2',3,3',6,6'-	2470	1550	46	
Hexachlorobiphenyl; 2,2',3,4,4',5-	837	578	37	
Hexachlorobiphenyl; 2,2',3,4,4',6-	394	274	*	
Hexachlorobiphenyl; 2,2',3,4,5,5'-	2760	1830	41	
Hexachlorobiphenyl; 2,2',3,4',5,5'-	3190	2490	25	
Hexachlorobiphenyl; 2,2',3,4,5,6'-	56.7	213	*	
Hexachlorobiphenyl; 2,2',3,4,5,6-	NA	NA	ND	

Hexachlorobiphenyl; 2,2',3,4,5',6'-	712	465	42	
Hexachlorobiphenyl; 2,2',3,4',5,6'-	97.8	99.8	*	
Hexachlorobiphenyl; 2,2',3,4',5,6'-	14400	9500	41	
Hexachlorobiphenyl; 2,2',3,4,6,6'-	8.88	157	*	
Hexachlorobiphenyl; 2,2',3,4',6,6'-	95.7	67.7	*	
Hexachlorobiphenyl; 2,2',3,5,6,6'-	36.9	34.3	*	
Hexachlorobiphenyl; 2,2',4,4',5,5'-	14300	10700	29	
Hexachlorobiphenyl; 2,2',4,4',5,6'-	510	412	21	
Hexachlorobiphenyl; 2,2',4,4',6,6'-	6.89	11.2	*	
Hexachlorobiphenyl; 2,3,3',4,4',5-	1930	1610	18	
Hexachlorobiphenyl; 2,3,3',4,4',6-	1570	1130	33	
Hexachlorobiphenyl; 2,3,3',4,5,5'-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4',5,5'-	36.5	39.8	*	
Hexachlorobiphenyl; 2,3,3',4,5,6-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4,5',6-	NA	NA	ND	
Hexachlorobiphenyl; 2,3,3',4',5',6-	1250	858	37	
Hexachlorobiphenyl; 2,3,3',5,5',6-	157	18.2	*	
Hexachlorobiphenyl; 3,3',4,4',5,5'-	NA	NA	ND	
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	560	468	18	
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	70.3	57.4	*	
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	162	134	*	
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	1100	1230	11	
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	655	685	4	
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	464	523	12	
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	245	199	*	
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	1390	1430	3	
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	192	159	*	
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	233	261	11	
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	916	909	1	
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	NA	NA	ND	
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	59.6	63.9	*	
PCB-167	598	523	13	
PCB-82	1420	976	37	
Pentachlorobiphenyl; 2,2',3,3',5-	1190	657	58	J
Pentachlorobiphenyl; 2,2',3,3',6-	3440	2240	42	
Pentachlorobiphenyl; 2,2',3,4,4'-	1980	1470	30	
Pentachlorobiphenyl; 2,2',3,4,5-	9010	6460	33	
Pentachlorobiphenyl; 2,2',3,4',5-	15300	11800	26	
Pentachlorobiphenyl; 2,2',3,4,6'-	108	63.8	*	
Pentachlorobiphenyl; 2,2',3,4,6-	2340	1840	24	
Pentachlorobiphenyl; 2,2',3,4',6'-	413	358	*	
Pentachlorobiphenyl; 2,2',3,5,5'-	3570	2770	25	
Pentachlorobiphenyl; 2,2',3,5,6'-	128	125	*	
Pentachlorobiphenyl; 2,2',3,5,6-	539	767	35	
Pentachlorobiphenyl; 2,2',3,5',6-	14900	8970	50	
Pentachlorobiphenyl; 2,2',3,6,6'-	141	105	*	

Pentachlorobiphenyl; 2,2',4,4',5-	6350	5590	13
Pentachlorobiphenyl; 2,2',4,5',6-	888	371	4
Pentachlorobiphenyl; 2,2',4,6,6'-	50.7	75.6	*
Pentachlorobiphenyl; 2,3,3',4,4'-	3790	3070	21
Pentachlorobiphenyl; 2,3,3',4,5'-	462	380	*
Pentachlorobiphenyl; 2,3,3',4,5-	NA	NA	ND
Pentachlorobiphenyl; 2,3,3',4',5'-	131	114	*
Pentachlorobiphenyl; 2,3,3',4',5-	795	783	2
Pentachlorobiphenyl; 2,3,3',4',6-	17000	12100	34
Pentachlorobiphenyl; 2,3,3',5,5'-	31.6	23.2	*
Pentachlorobiphenyl; 2,3,3',5,6-	NA	NA	ND
Pentachlorobiphenyl; 2,3,4,4',5-	206	166	*
Pentachlorobiphenyl; 2,3',4,4',5'-	118	111	*
Pentachlorobiphenyl; 2,3',4,4',5-	11000	9840	11
Pentachlorobiphenyl; 2,3',4,5,5'-	111	112	*
Pentachlorobiphenyl; 2,3',4,5',6-	157	22.7	*
Pentachlorobiphenyl; 3,3',4,4',5-	157	37.9	*
Pentachlorobiphenyl; 3,3',4,5,5'-	157	26.2	*
Polychlorinated Biphenyl (PCB)	245000	193000	*
TETRACHLORO 1,1'-BIPHENYL	6380	5280	19
Tetrachlorobiphenyl; 2,2',3,3'-	807	688	16
Tetrachlorobiphenyl; 2,2',3,4'-	470	370	24
Tetrachlorobiphenyl; 2,2',3,4-	157	28.5	*
Tetrachlorobiphenyl; 2,2',3,5'-	5900	4960	17
Tetrachlorobiphenyl; 2,2',3,5-	157	44.9	*
Tetrachlorobiphenyl; 2,2',3,6'-	89.2	80.4	*
Tetrachlorobiphenyl; 2,2',3,6-	1260	1350	7
Tetrachlorobiphenyl; 2,2',4,5'-	2990	2450	20
Tetrachlorobiphenyl; 2,2',4,5-	167	139	*
Tetrachlorobiphenyl; 2,2',4,6-	493	476	4
Tetrachlorobiphenyl; 2,2',5,5'-	8430	5300	46
Tetrachlorobiphenyl; 2,2',6,6'-	137	188	*
Tetrachlorobiphenyl; 2,3,3',4'-	681	631	8
Tetrachlorobiphenyl; 2,3,3',4-	NA	NA	ND
Tetrachlorobiphenyl; 2,3,3',5'-	157	34.7	*
Tetrachlorobiphenyl; 2,3,3',5-	NA	NA	ND
Tetrachlorobiphenyl; 2,3,3',6-	201	202	*
Tetrachlorobiphenyl; 2,3,4,4'-	197	170	*
Tetrachlorobiphenyl; 2,3',4,4'-	2100	2310	10
Tetrachlorobiphenyl; 2,3,4',5-	96.9	109	*
Tetrachlorobiphenyl; 2,3',4,5'-	115	127	*
Tetrachlorobiphenyl; 2,3',4,5-	44.4	68.5	*
Tetrachlorobiphenyl; 2,3,4',6-	973	697	33
Tetrachlorobiphenyl; 2,3',5,5'-	113	124	*
Tetrachlorobiphenyl; 2,3',5',6-	109	106	*
Tetrachlorobiphenyl; 3,3',4,4'-	182	259	35

Tetrachlorobiphenyl; 3,3',4,5'-	156	135	*	
Tetrachlorobiphenyl; 3,3',4,5-	NA	NA	ND	
Tetrachlorobiphenyl; 3,3',5,5'-	NA	NA	ND	
Tetrachlorobiphenyl; 3,4,4',5-	NA	NA	ND	
Trichlorobiphenyl; 2,2',3-	182	82.1	*	
Trichlorobiphenyl; 2,2',4-	254	172	*	
Trichlorobiphenyl; 2,2',5-	398	427	*	
Trichlorobiphenyl; 2,2',6-	121	119	*	
Trichlorobiphenyl; 2,3,3'-	638	603	6	
Trichlorobiphenyl; 2,3,4'-	182	213	*	
Trichlorobiphenyl; 2,3,4-	393	427	*	
Trichlorobiphenyl; 2,3',4-	64.3	65.2	*	
Trichlorobiphenyl; 2,3,5-	NA	NA	ND	
Trichlorobiphenyl; 2,3',5'-	157	9.81	*	
Trichlorobiphenyl; 2,3',5-	96.2	109	*	
Trichlorobiphenyl; 2,3,6-	NA	NA	ND	
Trichlorobiphenyl; 2,3',6-	52.9	39.5	*	
Trichlorobiphenyl; 2,4',5-	490	374	27	
Trichlorobiphenyl; 2,4',6-	239	213	*	
Trichlorobiphenyl; 3,3',4-	157	213	*	
Trichlorobiphenyl; 3,3',5-	NA	NA	ND	
Trichlorobiphenyl; 3,4,4'-	168	220	27	
Trichlorobiphenyl; 3,4,5-	NA	NA	ND	
Trichlorobiphenyl; 3,4',5-	157	26.2	*	

* One or both results values $\leq 5x$ PQL, the absolute difference $\leq 2x$ PQL. No qualification.

** One or both results values $\leq 5x$ PQL, the absolute difference $> 2x$ PQL.

ND= Not Detected

NA= Not applicable

B= Blank Contamination

SUMMARY

All samples were successfully analyzed for all target compounds according to the pertinent parts of U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. All instruments and method sensitivities were according to the specified analytical methods, except as noted in the Major Problem section. Refer to Minor Problems for information regarding biases identified during data validation.

Data Validation Summary

Parameters		D		
		q	t	a
*	Overall Evaluation of Data and Potential Usability Issues		21	0
*	Data Completeness		21	0
*	Preservation and Technical Holding Time		21	0
*	Initial and Continuing Calibrations		21	0
*	Chromatographic Resolution		21	0
*	Labeled Compounds/Surrogates		21	0
	Laboratory and Field Blanks Analyses	x	21	21
	Matrix Spike/Matrix Spike Duplicate (MS/MSD)	x	21	1
	Field Duplicate	x	21	2
*	Laboratory Control Sample(LCS)		21	0
	Estimated Detection Limit (EDL) & Estimated Maximum Possible		21	19
*	Sample Cleanup		21	0
*	Sample Analysis & Identification		21	0
	Compound Quantitation & Total Homologues	x	21	21

* = All Criteria were met for that Parameter, D=Dioxin/Furan

q=qualified; t=total number of samples analyzed; a=number of samples affected

MAJOR PROBLEMS

- None noted.

MINOR PROBLEMS

- **Blank Contaminants:** The maximum concentration of all compounds found in the analyses of the trip, field or laboratory method blanks are listed in the following table. Associated samples with positive results of these contaminants maybe qualified "U1", "J" or "J+", based on the concentration level found in the blanks & the samples, according to USEPA NFG for High Resolution Superfund Methods Data Review, November 2020.

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
<i>PCBs Congeners</i>	2-CHLOROBIPHENYL	5.78	pg/g	Method	All Samples
	4,4'-DICHLOROBIPHENYL	8.5	pg/g	Method	All Samples
	2-CHLOROBIPHENYL	5.78	pg/g	Method	All Samples
	4,4'-DICHLOROBIPHENYL	8.5	pg/g	Method	All Samples
	Chlorobiphenyl; 3-	5.64	pg/g	Method	All Samples
	Chlorobiphenyl; 4-	6.1	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,2'-	35.4	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,3'-	11.3	pg/g	Method	All Samples
	Dichlorobiphenyl; 2,4'-	39.7	pg/g	Method	All Samples
	Dichlorobiphenyl; 3,3'-	411	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-4.24	4.24	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4,4',5',6-2.88	2.88	pg/g	Method	All Samples
	Heptachlorobiphenyl; 2,2',3,4',5,5',6-2.9	2.9	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',4,5-9.4	9.4	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',5,6'-6.48	6.48	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,3',6,6'-3.64	3.64	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',3,4',5,6-9.34	9.34	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,2',4,4',5,5'-7.82	7.82	pg/g	Method	All Samples
	Hexachlorobiphenyl; 2,3,3',4,4',5-3.48	3.48	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,3',6-	8.06	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,4,5-22.9	22.9	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,4',5-29	29	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',3,5',6-25.1	25.1	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,2',4,4',5-9.32	9.32	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3,3',4,4'-5.3	5.3	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3,3',4',6-23.2	23.2	pg/g	Method	All Samples
	Pentachlorobiphenyl; 2,3',4,4',5-11.6	11.6	pg/g	Method	All Samples
	Polychlorinated Biphenyl (PCB)1080	1080	pg/g	Method	All Samples
	TETRACHLORO 1,1'-BIPHENYL30.9	30.9	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',3,5'-	45.6	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',3,6-	11.4	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',4,5'-	14.7	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',4,6-	4.24	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,2',5,5'-	52.2	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3,3',4'-	6.46	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3',4,4'-	12	pg/g	Method	All Samples
	Tetrachlorobiphenyl; 2,3,4',6-	8.06	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',3-	7.66	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',4-	11.7	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',5-	14.3	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,2',6-	9.06	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,3,3'-	40.5	pg/g	Method	All Samples
Trichlorobiphenyl; 2,3,4'-	11	pg/g	Method	All Samples	
Trichlorobiphenyl; 2,3,4-	19.5	pg/g	Method	All Samples	

<i>Analytical Fraction</i>	Compound	Maximum Concentration	Units	Blank Type	Associated Samples
	Trichlorobiphenyl; 2,3',4-	4.54	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,3',5-	6.86	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,3',6-	5.48	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,4',5-	29.8	pg/g	Method	All Samples
	Trichlorobiphenyl; 2,4',6-	11.3	pg/g	Method	All Samples
	Trichlorobiphenyl; 3,3',4-	5.06	pg/g	Method	All Samples
	Trichlorobiphenyl; 3,4,4'-	7.1	pg/g	Method	All Samples

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** The MS/MSD of Sample SIB-SC-R02-3-4 (Lab ID# 20455003) displayed high recoveries for 118-PeCB (Pentachlorobiphenyl; 2,3',4,4',5'-). Positive result for this congener in the parent samples was qualified “J”.
- **Compound Quantitation:** Pentachlorobiphenyl; 2,2',3,5',6- exceeded the calibration range in sample SIB-SC-N07-1-2 (20455010), positive result was qualified “UJ”. Also, several congeners were coeluted with other peaks in all samples, positive results & quantitation limits were qualified “J” & “UJ”, respectively.
- **Estimated Maximum Possible Concentration (EMPC):** Several congeners were reported as EMPC in several samples. Positive results for these congeners the associated samples were qualified “J”.

NOTES

- None noted.

REPORT CONTENT STATEMENT

All data for this project were reviewed in accordance with the pertinent parts of the U.S. Environmental Protection Agency (USEPA) National Functional Guidelines (NFG) for High Resolution Superfund Methods Data Review, dated November 2020; Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, dated January 2009; along with the Quality Assurance/Quality Control (QA/QC) requirements for the analytical methods used for the analyses. The text of the report addresses only those problems affecting data usability.

ATTACHMENTS

- 1) Glossary of Data Qualifiers
- 2) Electronic Data Deliverable (EDD). These include:
 - (a) All results for target compounds with qualifier codes where applicable.
 - (b) All unusable detection limits (qualified "R"), where applicable.
- 3) Electronic Data Package (.pdf file) as Support Documentation

DCN: HG012301-0416

Respectfully Submitted,

Sherif N. Mina
Sherif N. Mina

Date: *April 19, 2023*

QA/Review: *SM*