High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
PCB Congeners (EPA Method 1668C)
Stage 2A Review
Data Quality Control (QC)

Site: PHSS-Swan Island Basin	SDG #: 21639
Laboratory: CFA	Project #: DT2002.03.03.04.01
HydroGeoLogic, Inc. Validator: John Tracy	Validation Date: 10.26.2023
HGL QC Reviewer: Ken Rapuano	Peer Review Date: 08.22.23

Client Sample ID	Laboratory Sample ID	Matrix
SIB-097-TOB-1-2-10072022	21639001	Riverbank Soil
SIB-098-TOB-2-3-10072022	21639002	Riverbank Soil
SIB-100-OHW-1-2-10062022	21639003	Riverbank Soil
SIB-102-MLW-1-2-10062022	21639004	Riverbank Soil
SIB-103-OHW-1-2-10062022	21639005	Riverbank Soil
SIB-113-TOB-1-2-10042022	21639006	Riverbank Soil
SIB-112-MLW-1-2-10042022	21639007	Riverbank Soil
SIB-116-TOB-1-2-10042022	21639008	Riverbank Soil
SIB-082-MLW-1-2-10112022	21639009	Riverbank Soil

The following Stage 2A review was performed on the requested analyses. No results were rejected, and analytical completeness is 100%.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No completeness issues were noted.

Qualification: None required.

Sample Delivery and Condition – All samples arrived intact at the laboratory in acceptable condition and temperature and were properly preserved.

Qualification: None required.

Holding Times – All samples were prepared and analyzed within their required holding times.

Qualification: None required.

Method Blanks – The method 1668C method blank associated with all samples in this SDG was contaminated with the following PCBs; associated detections below the qualification threshold should be qualified U.

PCB Congener	Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-20/28	7.84	39.2
PCB-44/47/65	16.7	83.5
PCB-52	18.4	92
PCB-61/70/74/76	19.8	99
PCB-66	10.1	50.5
PCB-86/87/97/109/119/125	13	65
PCB-90/101/113	18.7	93.5
PCB-95	21.4	107

PCB-99	7.84	39.2
PCB-110/115	21.6	108
PCB-118	13.6	68
PCB-129/138/163	13.5	67.5
PCB-135/151	7	35
PCB-147/149	10.1	50.5
PCB-153/168	9.46	47.3

The following results are qualified U-MBL:

- **SIB-097-TOB-1-2-10072022: PCB-20/28, PCB-44/47/65, PCB-66**
- **SIB-100-OHW-1-2-10062022: PCB-20/28, PCB-44/47/65, PCB-52, PCB-61/70/74/76, PCB-66, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168**
- **SIB-102-MLW-1-2-10062022: PCB-52, PCB-61/70/74/76, PCB-86/87/97/109/119/125, PCB-90/101/113, PCB-95, PCB-99, PCB-110/115, PCB-118, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168**
- **SIB-103-OHW-1-2-10062022: PCB-61/70/74/76, PCB-90/101/113, PCB-95, PCB-110/115, PCB-118, PCB-129/138/163, PCB-135/151, PCB-147/149, PCB-153/168**
- **SIB-113-TOB-1-2-10042022: PCB-20/28, PCB-44/47/65, PCB-61/70/74/76, PCB-66**
- **SIB-112-MLW-1-2-10042022: PCB-20/28, PCB-44/47/65, PCB-52, PCB-61/70/74/76, PCB-66**
- **SIB-116-TOB-1-2-10042022: PCB-20/28**
- **SIB-082-MLW-1-2-10112022: PCB-110/115**

- ***Qualification:* Detections of contaminated compounds detected below the qualification threshold are qualified U, reason code MBL. Affected results are listed above.**

Equipment Blanks – Rinse blank EB01-10052022 (results reported with SDG 21924) is associated with all riverbank soil samples collected from 10.4.22 to 10.7.22. Rinse blank EB02-10102022 (results reported with SDG 21924) is associated with all riverbank soil samples collected on 10.11.2022. Due to the differences in mass extracted, the concentrations reported as pg/L in EBs correspond to the same concentration in pg/g in sediment samples. The following PCB congeners were detected in the EBs (does not include PCB congeners considered to be analytical artifacts based on corresponding detections in the associated aqueous MBs). Note that EB contamination is not adjusted for dilution when comparing to sample results.

EB01-10052022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-1	4.33	4.33	21.65
PCB-2	3.32	3.32	16.6
PCB-8	6.21	6.21	31.05
PCB-12/13	3.12	3.12	15.6
PCB-15	3.84	3.84	19.2
PCB-16	3.37	3.37	16.85
PCB-17	3.81	3.81	19.05
PCB-26/29	2.33	2.33	11.65

PCB-32	2.62	2.62	13.1
PCB-35	2.45	2.45	12.25
PCB-37	2.48	2.48	12.4
PCB-40/71	3.42	3.42	17.1
PCB-46	1.16	1.16	5.8
PCB-50/53	2.03	2.03	10.15
PCB-56	2.75	2.75	13.75
PCB-60	1.83	1.83	9.15
PCB-64	3.05	3.05	15.25
PCB-84	2.8	2.8	14
PCB-132	3.19	3.19	15.95
PCB-141	2.33	2.33	11.65
PCB-167	1.09	1.09	5.45
PCB-177	1.91	1.91	9.55
PCB-178	1.34	1.34	6.7
PCB-183/185	2.43	2.43	12.15
PCB-196	1.21	1.21	6.05
PCB-197/200	0.891	0.891	4.455
PCB-203	2.05	2.05	10.25

The following results were qualified U-EBL due to contamination in EB01-10052022

- **SIB-097-TOB-1-2-10072022: PCB-1, PCB-40/71, PCB-50/53**
- **SIB-098-TOB-2-3-10072022: PCB-1, PCB-8, PCB-32**
- **SIB-100-OHW-1-2-10062022: PCB-56, PCB-167, PCB-178**
- **SIB-103-OHW-1-2-10062022: PCB-177, PCB-203**
- **SIB-113-TOB-1-2-10042022: PCB-50/53, PCB-56, PCB-64**
- **SIB-112-MLW-1-2-10042022: PCB-50/53**
- **SIB-116-TOB-1-2-10042022: PCB-1**

EB02-10102022

PCB Congener	Concentration (pg/L)	Soil-equivalent Concentration (pg/g)	Qualification Threshold (pg/g)
PCB-1	2.94	2.94	14.7
PCB-2	3.21	3.21	16.05
PCB-8	5.59	5.59	27.95
PCB-16	4.29	4.29	21.45
PCB-17	3.19	3.19	15.95
PCB-32	2.48	2.48	12.4
PCB-40/71	3.73	3.73	18.65
PCB-42	2.28	2.28	11.4
PCB-50/53	1.55	1.55	7.75
PCB-56	2.62	2.62	13.1
PCB-84	2.01	2.01	10.05

PCB-85/116/117	1.47	1.47	7.35

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits.

Qualification: None required.

Surrogates – All surrogates (EISs) were within QAPP control limits.

Qualification: None required.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) –No MS/MSD analyses were performed with this SDG.

Qualification: None required.

Field Duplicate – No field duplicates were submitted with this SDG.

Qualification: None required.

Laboratory Duplicate – A laboratory duplicate was not performed in this SDG.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as ND with the associated DL, LOD, and LOQ included on the result summary pages. This reporting format is equivalent to reporting non-detected data in the DoD "LOD U" format. Analytes detected between the DL and LOQ were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

If a detected analyte has an ion ration outside the characteristic ion ratio window, the result is reported as an estimated maximum potential concentration. All results reported as an EMPC are qualified J-EMPC unless superseded by a higher priority qualifier.

Qualification: None required.

Qualification Summary Table (results in pg/g):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-097-TOB-1-2-10072022	2-CHLOROBIPHENYL (1)	8.86	JK	8.86	UJ	EBL,EMPC
SIB-097-TOB-1-2-10072022	4-CHLOROBIPHENYL (3)	17.6	JK	17.6	J	EMPC
SIB-097-TOB-1-2-10072022	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (182)	8.48	JK	8.48	J	EMPC
SIB-097-TOB-1-2-10072022	2,2',3,3',4,6-HEXACHLOROBIPHENYL (131)	18.7	JK	18.7	J	EMPC
SIB-097-TOB-1-2-10072022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	65.4	JK	65.4	J	EMPC
SIB-097-TOB-1-2-10072022	PCB-40/71	14.7	CJ	14.7	U	EBL
SIB-097-TOB-1-2-10072022	PCB-44/47/65	48.5	BCJ	48.5	U	MBL
SIB-097-TOB-1-2-10072022	PCB-45/51	6.83	CJK	6.83	J	EMPC
SIB-097-TOB-1-2-10072022	PCB-50/53	6.79	CJ	6.79	U	EBL
SIB-097-TOB-1-2-10072022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	49.2	BJ	49.2	U	MBL
SIB-097-TOB-1-2-10072022	PCB-20/28	31.2	BCJ	31.2	U	MBL
SIB-097-TOB-1-2-10072022	2,3,4'-TRICHLOROBIPHENYL (22)	9.97	JK	9.97	J	EMPC
SIB-098-TOB-2-3-10072022	2-CHLOROBIPHENYL (1)	9.41	JK	9.41	UJ	EBL,EMPC
SIB-098-TOB-2-3-10072022	2,4'-DICHLOROBIPHENYL (8)	21.4	JK	21.4	UJ	EBL,EMPC
SIB-098-TOB-2-3-10072022	2,2',3,5-TETRACHLOROBIPHENYL (43)	47	JK	47	J	EMPC
SIB-098-TOB-2-3-10072022	2,2',3,6'-TETRACHLOROBIPHENYL (46)	10.8	JK	10.8	J	EMPC
SIB-098-TOB-2-3-10072022	2,2',4,5-TETRACHLOROBIPHENYL (48)	33.2	JK	33.2	J	EMPC
SIB-098-TOB-2-3-10072022	PCB-50/53	33.9	CJK	33.9	J	EMPC
SIB-098-TOB-2-3-10072022	2,3,4',5-TETRACHLOROBIPHENYL (63)	14.6	JK	14.6	J	EMPC
SIB-098-TOB-2-3-10072022	3,3',4,5'-TETRACHLOROBIPHENYL (79)	25	JK	25	J	EMPC
SIB-098-TOB-2-3-10072022	2,3',4-TRICHLOROBIPHENYL (25)	6.91	JK	6.91	J	EMPC
SIB-098-TOB-2-3-10072022	PCB-26/29	13	CJK	13	J	EMPC
SIB-098-TOB-2-3-10072022	2,4',6-TRICHLOROBIPHENYL (32)	12	J	12	U	EBL
SIB-100-OHW-1-2-10062022	3,3'-DICHLOROBIPHENYL (11)	49.1	JK	49.1	J	EMPC
SIB-100-OHW-1-2-10062022	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (178)	5.41	JK	5.41	UJ	EBL,EMPC
SIB-100-OHW-1-2-10062022	PCB-183/185	18.2	CJK	18.2	J	EMPC
SIB-100-OHW-1-2-10062022	PCB-129/138/163	59.5	BCJ	59.5	U	MBL
SIB-100-OHW-1-2-10062022	PCB-135/151	15.9	BCJ	15.9	U	MBL
SIB-100-OHW-1-2-10062022	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (136)	7.3	JK	7.3	J	EMPC
SIB-100-OHW-1-2-10062022	PCB-147/149	43.9	BCJ	43.9	U	MBL

SIB-100-OHW-1-2-10062022	PCB-153/168	28.2	BCJ	28.2	U	MBL
SIB-100-OHW-1-2-10062022	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (196)	11.5	JK	11.5	J	EMPC
SIB-100-OHW-1-2-10062022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	8.67	JK	8.67	J	EMPC
SIB-100-OHW-1-2-10062022	PCB-198/199	33.8	CJK	33.8	J	EMPC
SIB-100-OHW-1-2-10062022	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (202)	7.7	JK	7.7	J	EMPC
SIB-100-OHW-1-2-10062022	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (167)	4.76	JK	4.76	UJ	EBL,EMPC
SIB-100-OHW-1-2-10062022	PCB-86/87/97/109/119/125	22.2	BCJ	22.2	U	MBL
SIB-100-OHW-1-2-10062022	PCB-90/101/113	30.5	BCJ	30.5	U	MBL
SIB-100-OHW-1-2-10062022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	30.3	BJ	30.3	U	MBL
SIB-100-OHW-1-2-10062022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	12.9	BJK	12.9	UJ	MBL,EMPC
SIB-100-OHW-1-2-10062022	2,3,3',4,4'-PENTACHLOROBIPHENYL (105)	9.32	JK	9.32	J	EMPC
SIB-100-OHW-1-2-10062022	PCB-110/115	44.5	BCJ	44.5	U	MBL
SIB-100-OHW-1-2-10062022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	27.4	BJ	27.4	U	MBL
SIB-100-OHW-1-2-10062022	PCB-61/70/74/76	18.7	BCJK	18.7	UJ	MBL,EMPC
SIB-100-OHW-1-2-10062022	PCB-44/47/65	12.5	BCJ	12.5	U	MBL
SIB-100-OHW-1-2-10062022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	22	BJ	22	U	MBL
SIB-100-OHW-1-2-10062022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	4.74	JK	4.74	UJ	EBL,EMPC
SIB-100-OHW-1-2-10062022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	9.91	BJK	9.91	UJ	MBL,EMPC
SIB-100-OHW-1-2-10062022	PCB-20/28	7.13	BCJ	7.13	U	MBL
SIB-100-OHW-1-2-10062022	2,4',5-TRICHLOROBIPHENYL (31)	5.63	JK	5.63	J	EMPC
SIB-102-MLW-1-2-10062022	PCB-180/193	5.36	CJK	5.36	J	EMPC
SIB-102-MLW-1-2-10062022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	3.64	JK	3.64	J	EMPC
SIB-102-MLW-1-2-10062022	PCB-129/138/163	15.8	BCJK	15.8	UJ	MBL,EMPC
SIB-102-MLW-1-2-10062022	PCB-135/151	6.03	BCJ	6.03	U	MBL
SIB-102-MLW-1-2-10062022	PCB-147/149	11.6	BCJ	11.6	U	MBL
SIB-102-MLW-1-2-10062022	PCB-153/168	11.5	BCJ	11.5	U	MBL
SIB-102-MLW-1-2-10062022	PCB-86/87/97/109/119/125	16.7	BCJK	16.7	UJ	MBL,EMPC
SIB-102-MLW-1-2-10062022	PCB-90/101/113	18.1	BCJ	18.1	U	MBL
SIB-102-MLW-1-2-10062022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	20.3	BJK	20.3	UJ	MBL,EMPC
SIB-102-MLW-1-2-10062022	2,2',4,4',5-PENTACHLOROBIPHENYL (99)	8.71	BJ	8.71	U	MBL
SIB-102-MLW-1-2-10062022	PCB-110/115	18.1	BCJ	18.1	U	MBL
SIB-102-MLW-1-2-10062022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	12.7	BJ	12.7	U	MBL
SIB-102-MLW-1-2-10062022	PCB-61/70/74/76	14.9	BCJ	14.9	U	MBL
SIB-102-MLW-1-2-10062022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	17.8	BJ	17.8	U	MBL
SIB-103-OHW-1-2-10062022	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (170)	9.92	JK	9.92	J	EMPC

SIB-103-OHW-1-2-10062022	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (174)	6.33	JK	6.33	J	EMPC
SIB-103-OHW-1-2-10062022	2,2',3,3',4',5,6-HEPTACHLOROBIPHENYL (177)	6.89	JK	6.89	UJ	EBL,EMPC
SIB-103-OHW-1-2-10062022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	2.64	JK	2.64	J	EMPC
SIB-103-OHW-1-2-10062022	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (187)	17.7	JK	17.7	J	EMPC
SIB-103-OHW-1-2-10062022	PCB-128/166	6.67	CJK	6.67	J	EMPC
SIB-103-OHW-1-2-10062022	PCB-129/138/163	34.7	BCJ	34.7	U	MBL
SIB-103-OHW-1-2-10062022	PCB-135/151	4.71	BCJK	4.71	UJ	MBL,EMPC
SIB-103-OHW-1-2-10062022	PCB-147/149	11.1	BCJ	11.1	U	MBL
SIB-103-OHW-1-2-10062022	PCB-153/168	19.1	BCJ	19.1	U	MBL
SIB-103-OHW-1-2-10062022	PCB-156/157	4.67	CJK	4.67	J	EMPC
SIB-103-OHW-1-2-10062022	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (194)	7.49	JK	7.49	J	EMPC
SIB-103-OHW-1-2-10062022	PCB-198/199	11.9	CJK	11.9	J	EMPC
SIB-103-OHW-1-2-10062022	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (203)	6.12	J	6.12	U	EBL
SIB-103-OHW-1-2-10062022	PCB-90/101/113	9.17	BCJK	9.17	UJ	MBL,EMPC
SIB-103-OHW-1-2-10062022	2,2',3,5',6-PENTACHLOROBIPHENYL (95)	9.66	BJK	9.66	UJ	MBL,EMPC
SIB-103-OHW-1-2-10062022	PCB-110/115	10.4	BCJK	10.4	UJ	MBL,EMPC
SIB-103-OHW-1-2-10062022	2,3',4,4',5-PENTACHLOROBIPHENYL (118)	6.99	BJK	6.99	UJ	MBL,EMPC
SIB-103-OHW-1-2-10062022	PCB-61/70/74/76	6.8	BCJ	6.8	U	MBL
SIB-113-TOB-1-2-10042022	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (172)	41.9	JK	41.9	J	EMPC
SIB-113-TOB-1-2-10042022	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (154)	13.6	JK	13.6	J	EMPC
SIB-113-TOB-1-2-10042022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	44.5	JK	44.5	J	EMPC
SIB-113-TOB-1-2-10042022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	54.8	JK	54.8	J	EMPC
SIB-113-TOB-1-2-10042022	PCB-88/91	31.2	CJK	31.2	J	EMPC
SIB-113-TOB-1-2-10042022	PCB-61/70/74/76	73.4	BCJ	73.4	U	MBL
SIB-113-TOB-1-2-10042022	PCB-44/47/65	44.4	BCJK	44.4	UJ	MBL,EMPC
SIB-113-TOB-1-2-10042022	PCB-45/51	6.74	CJK	6.74	J	EMPC
SIB-113-TOB-1-2-10042022	PCB-50/53	7.05	CJ	7.05	U	EBL
SIB-113-TOB-1-2-10042022	2,3,3',4'-TETRACHLOROBIPHENYL (56)	11.2	JK	11.2	UJ	EBL,EMPC
SIB-113-TOB-1-2-10042022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	25.2	BJ	25.2	U	MBL
SIB-113-TOB-1-2-10042022	2,3,4',6-TETRACHLOROBIPHENYL (64)	13.4	J	13.4	U	EBL
SIB-113-TOB-1-2-10042022	PCB-20/28	13.5	BCJ	13.5	U	MBL
SIB-113-TOB-1-2-10042022	PCB-21/33	9.24	CJK	9.24	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (179)	78	JK	78	J	EMPC
SIB-112-MLW-1-2-10042022	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (190)	13.2	JK	13.2	J	EMPC

SIB-112-MLW-1-2-10042022	PCB-128/166	26.8	CJK	26.8	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (130)	26.4	JK	26.4	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,4,5',6-HEXACHLOROBIPHENYL (144)	17.5	JK	17.5	J	EMPC
SIB-112-MLW-1-2-10042022	2,3,3',4',5',6-HEXACHLOROBIPHENYL (164)	26.8	JK	26.8	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (208)	22.3	JK	22.3	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL (195)	23.2	JK	23.2	J	EMPC
SIB-112-MLW-1-2-10042022	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (201)	10.8	JK	10.8	J	EMPC
SIB-112-MLW-1-2-10042022	PCB-85/116/117	26.4	CJK	26.4	J	EMPC
SIB-112-MLW-1-2-10042022	PCB-61/70/74/76	57.8	BCJ	57.8	U	MBL
SIB-112-MLW-1-2-10042022	PCB-44/47/65	47.9	BCJ	47.9	U	MBL
SIB-112-MLW-1-2-10042022	PCB-45/51	9.47	CJK	9.47	J	EMPC
SIB-112-MLW-1-2-10042022	PCB-50/53	6.45	CJ	6.45	U	EBL
SIB-112-MLW-1-2-10042022	2,2',5,5'-TETRACHLOROBIPHENYL (52)	85.5	BJ	85.5	U	MBL
SIB-112-MLW-1-2-10042022	2,3',4,4'-TETRACHLOROBIPHENYL (66)	36.2	BJ	36.2	U	MBL
SIB-112-MLW-1-2-10042022	PCB-20/28	20.8	BCJ	20.8	U	MBL
SIB-112-MLW-1-2-10042022	PCB-21/33	14.2	CJK	14.2	J	EMPC
SIB-112-MLW-1-2-10042022	2,4',5-TRICHLOROBIPHENYL (31)	17.4	JK	17.4	J	EMPC
SIB-116-TOB-1-2-10042022	2-CHLOROBIPHENYL (1)	11.9	J	11.9	U	EBL
SIB-116-TOB-1-2-10042022	4-CHLOROBIPHENYL (3)	20.8	JK	20.8	J	EMPC
SIB-116-TOB-1-2-10042022	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (133)	45.8	JK	45.8	J	EMPC
SIB-116-TOB-1-2-10042022	2,2',3,3',5-PENTACHLOROBIPHENYL (83)	45.8	JK	45.8	J	EMPC
SIB-116-TOB-1-2-10042022	2,2',3,3',6-PENTACHLOROBIPHENYL (84)	213	K	213	J	EMPC
SIB-116-TOB-1-2-10042022	PCB-45/51	17.8	CJK	17.8	J	EMPC
SIB-116-TOB-1-2-10042022	PCB-18/30	30	CJK	30	J	EMPC
SIB-116-TOB-1-2-10042022	PCB-20/28	35.6	BCJ	35.6	U	MBL
SIB-116-TOB-1-2-10042022	2,3,4'-TRICHLOROBIPHENYL (22)	14.6	JK	14.6	J	EMPC
SIB-082-MLW-1-2-10112022	PCB-110/115	13.6	BCJK	13.6	UJ	MBL,EMPC