Stage 2A Review
Data Quality Control (QC)

Site: PHSS-SIB PDI	SDG #: Case 22J0404
Laboratory: ARI	Date: 8/3/2023
HydroGeoLogic, Inc. Reviewer: Deanna Valdebenito Peer Reviewer: Ken Rapuano (8.29.23)	Project: DT2002

Client Sample ID	Laboratory Sample ID	Analyses	Matrix
SIB-053-MLW-0-1-10202022	22J0404-01	PCB Aroclors and Total Metals	Solid
SIB-053-OHW-0-1-10202022	22J0404-02	PCB Aroclors and Total Metals	Solid
SIB-053-TOB-0-1-10202022	22J0404-03	PCB Aroclors and Total Metals	Solid
SIB-052-OHW-0-1-10202022	22J0404-04	PCB Aroclors and Total Metals	Solid
SIB-052-TOB-0-1-10202022	22J0404-05	PCB Aroclors and Total Metals	Solid
SIB-051-OHW-0-1-10202022	22J0404-06	PCB Aroclors and Total Metals	Solid
SIB-051-TOB-0-1-10202022	22J0404-07	PCB Aroclors and Total Metals	Solid
SIB-050-OHW-0-1-10202022	22J0404-08	PCB Aroclors and Total Metals	Solid
SIB-050-TOB-0-1-10202022	22J0404-09	PCB Aroclors and Total Metals	Solid
SIB-049-OHW-0-1-10202022	22J0404-10	PCB Aroclors and Total Metals	Solid
SIB-049-OHW-1-2-10202022	22J0404-11	PCB Aroclors and Total Metals	Solid
SIB-049-TOB-0-1-10202022	22J0404-12	PCB Aroclors and Total Metals	Solid
FD12-10202022	22J0404-13	PCB Aroclors and Total Metals	Solid
SIB-048-TOB-0-1-10242022	22J0404-14	PCB Aroclors and Total Metals	Solid
SIB-048-OHW-0-1-10242022	22J0404-15	PCB Aroclors and Total Metals	Solid
SIB-048-MLW-0-1-10242022	22J0404-16	PCB Aroclors and Total Metals	Solid
SIB-047-TOB-0-1-10242022	22J0404-17	PCB Aroclors and Total Metals	Solid
SIB-047-OHW-0-1-10242022	22J0404-18	PCB Aroclors and Total Metals	Solid
SIB-046-TOB-0-1-10242022	22J0404-19	PCB Aroclors and Total Metals	Solid
SIB-046-OHW-0-1-10242022	22J0404-20	PCB Aroclors and Total Metals	Solid
SIB-045-TOB-0-1-10242022	22J0404-21	PCB Aroclors and Total Metals	Solid
SIB-045-OHW-0-1-10242022	22J0404-22	PCB Aroclors and Total Metals	Solid
SIB-044-TOB-0-1-10242022	22J0404-23	PCB Aroclors and Total Metals	Solid
SIB-044-OHW-0-1-10242022	22J0404-24	PCB Aroclors and Total Metals	Solid
SIB-043-TOB-0-1-10242022	22J0404-25	PCB Aroclors and Total Metals	Solid
SIB-043-OHW-0-1-10242022	22J0404-26	PCB Aroclors and Total Metals	Solid
FD13-10242022	22J0404-27	PCB Aroclors and Total Metals	Solid
SIB-042-OHW-0-1-10242022	22J0404-28	PCB Aroclors and Total Metals	Solid
SIB-042-OHW-1-2-10242022	22J0404-29	PCB Aroclors and Total Metals	Solid
SIB-042-MLW--0-1-10242022	22J0404-30	PCB Aroclors and Total Metals	Solid
SIB-041-OHW-0-1-10242022	22J0404-31	PCB Aroclors and Total Metals	Solid
SIB-041-MLW-0-1-10242022	22J0404-32	PCB Aroclors and Total Metals	Solid
SIB-040-OHW-0-1-10242022	22J0404-33	PCB Aroclors and Total Metals	Solid

Client Sample ID	Laboratory Sample ID	Analyses	Matrix
SIB-040-MLW-0-1-10242022	22J0404-34	PCB Aroclors and Total Metals	Solid

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. The narrative noted sporadic ICV/CCV and internal standard discrepancies in one of the columns; in all cases but one, data were reported from an unaffected column. The laboratory noted that the ICVs and CCVs associated with runs SKL0002 and SKK0367 had high %Ds for Aroclor 1260 in both columns. All this has been noted but falls outside of a 2A validation.

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. The narrative noted that mercury samples were frozen to extend holding times; this is in accordance with the QAPP archiving protocols. All mercury analyses were performed within the 180-day holding time for frozen mercury samples.

Qualification: None required.

Method Blanks – All method blanks were free from contamination except for the method blank for 6020B UCT-KED batch BLB0048, which contained Copper contamination at 0.67 mg/kg (Cu-63) and 0.64 mg/kg (Cu-65), leading to qualification limits of 3.35 mg/kg and 3.20 mg/kg, respectively. All Copper results are greater than the qualification limit for the applicable quantitation isotope and no qualification is required.

Qualification: None required.

Rinsate Blanks – Equipment rinse blanks EB03-10192022 (results reported in SDG 22J0477) and EB04-10262022 (results reported in SDG 22J0477) are associated with all sample results reported in this SDG. The rinse blanks were contaminated with low levels of chromium; chromium is not a target analyte for sediment samples and no qualification is required.

Qualification: None required.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) – All LCS/LCSD %Rs and RPDs were within QAPP control limits. A standard reference material was also reported for each PCB, metals, and mercury preparation batch; the SRM %Rs met the control limits.

Qualification: None required.

Surrogates – Samples SIB-048-OHW-0-1-10242022, SIB-041-OHW-0-1-10242022, and SIB-041-MLW-0-1-10242022 had a high %R for surrogate Decachlorobiphenyl [2C] and sample SIB-044-OHW-0-1-10242022 had a high %R for surrogate Decachlorobiphenyl; these discrepancies were above the allowance for a single discrepancy established by the HGL consistency memo. Samples SIB-047-OHW-0-1-10242022, SIB-045-OHW-0-1-10242022, SIB-044-TOB-0-1-10242022, and SIB-043-TOB-0-1-10242022 had a high %R for surrogates Decachlorobiphenyl and Decachlorobiphenyl [2C]. The detected Aroclor

results for these samples should be qualified J with reason code SSH; non-detections should not be qualified.

Samples SIB-051-OHW-0-1-10202022 and SIB-040-MLW-0-1-10242022 had a high %R for surrogate Decachlorobiphenyl [2C] and samples SIB-049-TOB-0-1-10202022 and SIB-042-OHW-0-1-10242022 had a high %R for surrogate Decachlorobiphenyl; these discrepancies were within the allowance limits for a single discrepancy set by the HGL consistency memo and no qualification is required.

> ***Qualification: The detected Aroclor results for samples SIB-048-OHW-0-1-10242022, SIB-041-OHW-0-1-10242022, SIB-041-MLW-0-1-10242022, SIB-044-OHW-0-1-10242022, SIB-047-OHW-0-1-10242022, SIB-045-OHW-0-1-10242022, SIB-044-TOB-0-1-10242022 and SIB-043-TOB-0-1-10242022 are qualified J with reason code SSH.***

<u>Matrix Spike/Matrix Spike Duplicate (MS/MSD)</u> –

An MS/MSD was performed on samples SIB-053-MLW-0-1-10202022 and SIB-044-TOB-0-1-10242022 (Method 8082A). The MS and MSD performed on sample SIB-053-MLW-0-1-10202022 had high %Rs for Aroclor 1260. The detected Aroclor 1254 and Aroclor 1260 results reported for sample SIB-053-MLW-0-1-10202022 should be qualified J, reason code MSH; associated non-detected results do not require qualification. The MS and MSD performed on sample SIB-044-TOB-0-1-10242022 had extremely low %Rs (<20%) for Aroclor 1260 and a high RPD for Aroclor 1260. The detected Aroclor 1254 and Aroclor 1260 results reported for sample SIB-044-TOB-0-1-10242022 should be qualified J, reason code MSLX,MSP. The non-detected Aroclor 1248, Aroclor 1262, and Aroclor 1268 results for sample SIB-044-TOB-0-1-10242022 should be qualified R, reason code MSLX.

> ***Qualification: The Aroclor 1254 and Aroclor 1260 results for sample SIB-053-MLW-0-1-10202022 are qualified J, reason code MSH. The Aroclor 1254 and Aroclor 1260 results for sample SIB-044-TOB-0-1-10242022 are qualified J, reason code MSLX,MSP. The Aroclor 1248, Aroclor 1262, and Aroclor 1268 results for sample SIB-044-TOB-0-1-10242022 are qualified R, reason code MSLX.***

MS/MSDs were performed for ICP-MS metals on samples SIB-053-MLW-0-1-10202022 (batch BLB0048) and SIB-044-TOB-0-1-10242022 (batch BLB0081). The MS performed on sample SIB-053-MLW-0-1-10202022 showed multiple discrepancies for lead, including a high %R in the MS, a low %R in the MSD, and a high MS/MSD RPD. All lead results for samples from batch BLB0048 are detections and should be qualified J, reason codes MSH,MSL,MSP. The MSD performed on sample SIB-044-TOB-0-1-10242022 showed extremely low %Rs (<30%) for lead, copper, and zinc and the MS/MSD pair showed a high RPD for lead. The lead, copper, and zinc concentrations in the parent sample are >4x the spike concentrations for the affected metals and the %R discrepancies are not used to qualify results. All lead results reported from batch BLB0081 should be qualified J, reason code MSP.

> ***Qualification: The lead results are qualified J-MSH,MSL,MSP for samples FD12-10202022, SIB-044-OHW-0-1-10242022, SIB-045-OHW-0-1-10242022, SIB-045-TOB-0-1-10242022, SIB-046-OHW-0-1-10242022, SIB-046-TOB-0-1-10242022, SIB-047-OHW-0-1-10242022, SIB-047-TOB-0-1-10242022, SIB-048-MLW-0-1-10242022, SIB-048-OHW-0-1-10242022, SIB-048-TOB-0-1-10242022, SIB-049-OHW-0-1-10202022, SIB-049-TOB-0-1-10202022, SIB-050-OHW-0-1-10202022, SIB-050-TOB-0-1-10202022, SIB-051-OHW-0-1-10202022, SIB-051-TOB-0-1-10202022, SIB-052-OHW-0-1-10202022, SIB-052-TOB-0-1-10202022, and SIB-053-MLW-0-1-10202022. The lead results are qualified J-MSP for samples FD13-10242022, SIB-040-MLW-0-1-10242022, SIB-040-OHW-0-1-10242022, SIB-041-MLW-0-1-10242022, SIB-041-OHW-0-1-10242022, SIB-042-MLW--0-1-10242022, SIB-042-OHW-0-1-10242022, SIB-043-OHW-0-1-10242022, SIB-043-TOB-0-1-10242022, and SIB-044-TOB-0-1-10242022.***

MS/MSDs were performed for mercury on samples SIB-053-MLW-0-1-10202022 (batch BLB0047) and SIB-044-TOB-0-1-10242022 (batch BLB0080). The MS/MSD performed on sample SIB-053-MLW-0-1-10202022 showed high RPD. All mercury results for samples from batch BLB0047 are detections except for sample SIB-045-TOB-0-1-10242022. All detected results reported from batch BLB0047 should be qualified J, reason code MSP; the non-detected result does not require qualification. The MS performed on sample SIB-044-TOB-0-1-10242022 showed a low %R and the MS/MSD pair showed a high RPD. All detected mercury results reported from batch BLB0080 should be qualified J, reason code MSL,MSP, and all non-detected mercury results from batch BLB0080 should be qualified UJ, reason code MSL.

Qualification: The mercury results are qualified J-MSP for samples FD12-10202022, SIB-044-OHW-0-1-10242022, SIB-045-OHW-0-1-10242022, SIB-046-OHW-0-1-10242022, SIB-046-TOB-0-1-10242022, SIB-047-OHW-0-1-10242022, SIB-047-TOB-0-1-10242022, SIB-048-MLW-0-1-10242022, SIB-048-OHW-0-1-10242022, SIB-048-TOB-0-1-10242022, SIB-049-OHW-0-1-10202022, SIB-049-TOB-0-1-10202022, SIB-050-OHW-0-1-10202022, SIB-050-TOB-0-1-10202022, SIB-051-OHW-0-1-10202022, SIB-051-TOB-0-1-10202022, SIB-052-OHW-0-1-10202022, SIB-052-TOB-0-1-10202022, and SIB-053-MLW-0-1-10202022. The detected mercury results are qualified J-MSL,MSP for samples SIB-044-TOB-0-1-10242022, SIB-043-OHW-0-1-10242022, FD13-10242022, SIB-042-MLW--0-1-10242022, SIB-041-OHW-0-1-10242022, and SIB-040-OHW-0-1-10242022. The non-detected mercury results are qualified UJ-MSL for samples SIB-043-TOB-0-1-10242022, SIB-042-OHW-0-1-10242022, SIB-041-MLW-0-1-10242022, and SIB-040-MLW-0-1-10242022.

Field Duplicate – Samples FD12-10202022 and FD13-10242022 are a field duplicate of samples SIB-049-OHW-0-1-10202022 and SIB-045-TOB-0-1-10242022, respectively. The RPDs of the duplicate pair met the acceptance criteria. The Aroclor 1260 results in the SIB-049-OHW-0-1-10202022 / FD12-10202022 duplicate pair did not meet the ±2x PQL absolute difference criterion for low-level results. The Aroclor 1260 result should be qualified J-FDPA in samples SIB-049-OHW-0-1-10202022 and FD12-10202022. All other duplicate results met acceptance criteria for precision.

Qualification: **The Aroclor 1260 result is qualified J-FDPA in samples SIB-049-OHW-0-1-10202022 and FD12-10202022.**

Laboratory Duplicate – A laboratory duplicate was performed on samples SIB-053-MLW-0-1-10202022 and SIB-044-TOB-0-1-10242022 (metals). The RPDs of the duplicate pairs met the acceptance criteria except for Lead and Copper in sample SIB-044-TOB-0-1-10242022 prepared in batch BLB0081 and for Arsenic and copper in sample SIB-053-MLW-0-1-10202022 prepared in batch BLB0048. All lead, copper, and arsenic results reported from the affected batches are detections and should be qualified J, reason code LDPR. Although the mercury SIB-053-MLW-0-1-10202022 was reported as being >20%, the parent sample result is <5x the PQL and the duplicate results are within 2x PQL and no qualification is required.

Qualification: The Arsenic and copper results for samples FD12-10202022, SIB-044-OHW-0-1-10242022, SIB-045-OHW-0-1-10242022, SIB-045-TOB-0-1-10242022, SIB-046-OHW-0-1-10242022, SIB-046-TOB-0-1-10242022, SIB-047-OHW-0-1-10242022, SIB-047-TOB-0-1-10242022, SIB-048-MLW-0-1-10242022, SIB-048-OHW-0-1-10242022, SIB-048-TOB-0-1-10242022, SIB-049-OHW-0-1-10202022, SIB-049-TOB-0-1-10202022, SIB-050-OHW-0-1-10202022, SIB-050-TOB-0-1-10202022, SIB-051-OHW-0-1-10202022, SIB-051-TOB-0-1-10202022, SIB-052-OHW-0-1-10202022, SIB-052-TOB-0-1-10202022, and SIB-053-MLW-0-1-10202022 are qualified J, reason code LDPR. The Lead and Copper results for samples FD13-10242022, SIB-040-MLW-0-1-10242022, SIB-040-OHW-0-1-10242022, SIB-041-MLW-0-1-10242022, SIB-041-OHW-0-1-10242022, SIB-042-MLW--0-1-10242022, SIB-042-OHW-0-1-10242022, SIB-043-OHW-0-1-10242022, SIB-043-TOB-0-1-10242022, and SIB-044-TOB-0-1-10242022 are qualified J with reason code LDPR.

Compound Quantitation – Analyte results were reported with the associated DL, LOD, and LOQ in the DoD format instead of with the associated MDL and RL. Non-detected results were reported on the hardcopy as <#, where # corresponds to the LOD. The HGL reviewer confirmed that the value associated with non-detected results in the EDD is the MDL, in accordance with the project reporting requirements. Analytes detected between the MDL and RL were reported as J-qualified results by the laboratory. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

Qualification Summary Table (concentrations in µg/kg [Aroclors] or mg/kg [metals]):

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-053-MLW-0-1-10202022	Aroclor 1254	66	P1 D	66	J	MSH
	Aroclor 1260	56.9	D	56.9	J	MSH
	Arsenic	4.17	D	4.17	J	LDPR
	Copper	36.2	B D	36.2	J	LDPR
	Lead	84.1	D	84.1	J	MSH, MSL
	Mercury	0.0364	--	0.0364	J	MSH
SIB-053-OHW-0-1-10202022	None Required.					
SIB-053-TOB-0-1-10202022	None Required.					
SIB-052-OHW-0-1-10202022	Arsenic	2.59	D	2.59	J	LDPR
SIB-052-OHW-0-1-10202022	Copper	21.6	B D	21.6	J	LDPR
SIB-052-OHW-0-1-10202022	Lead	136	D	136	J	MSH, MSL, MSP
SIB-052-OHW-0-1-10202022	Mercury	0.0767	--	0.0767	J	MSP
SIB-052-TOB-0-1-10202022	Arsenic	4.82	D	4.82	J	LDPR
SIB-052-TOB-0-1-10202022	Copper	142	B D	142	J	LDPR
SIB-052-TOB-0-1-10202022	Lead	192	D	192	J	MSH, MSL, MSP
SIB-052-TOB-0-1-10202022	Mercury	1.7	D	1.7	J	MSP
SIB-051-OHW-0-1-10202022	Arsenic	3.15	D	3.15	J	LDPR
SIB-051-OHW-0-1-10202022	Copper	52.5	B D	52.5	J	LDPR
SIB-051-OHW-0-1-10202022	Lead	84.3	D	84.3	J	MSH, MSL, MSP
SIB-051-OHW-0-1-10202022	Mercury	0.0596	--	0.0596	J	MSP
SIB-051-TOB-0-1-10202022	Arsenic	2.11	D	2.11	J	LDPR
SIB-051-TOB-0-1-10202022	Copper	44.6	B D	44.6	J	LDPR
SIB-051-TOB-0-1-10202022	Lead	36.5	D	36.5	J	MSH, MSL, MSP
SIB-051-TOB-0-1-10202022	Mercury	0.0265	--	0.0265	J	MSP
SIB-050-OHW-0-1-10202022	Arsenic	7.63	D	7.63	J	LDPR
SIB-050-OHW-0-1-10202022	Copper	40.1	B D	40.1	J	LDPR

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-050-OHW-0-1-10202022	Lead	67.1	D	67.1	J	MSH, MSL, MSP
SIB-050-OHW-0-1-10202022	Mercury	0.0482	--	0.0482	J	MSP
SIB-050-TOB-0-1-10202022	Arsenic	5.66	D	5.66	J	LDPR
SIB-050-TOB-0-1-10202022	Copper	66.4	B D	66.4	J	LDPR
SIB-050-TOB-0-1-10202022	Lead	84.5	D	84.5	J	MSH, MSL, MSP
SIB-050-TOB-0-1-10202022	Mercury	0.0526	--	0.0526	J	MSP
SIB-049-OHW-0-1-10202022	Arsenic	2.53	D	2.53	J	LDPR
SIB-049-OHW-0-1-10202022	Copper	22.6	B D	22.6	J	LDPR
SIB-049-OHW-0-1-10202022	Lead	30.4	D	30.4	J	MSH, MSL, MSP
SIB-049-OHW-0-1-10202022	Mercury	0.169	--	0.169	J	MSP
SIB-049-OHW-0-1-10202022	Aroclor 1260	11.7	--	11.7	J	FDPA
SIB-049-TOB-0-1-10202022	Arsenic	8.88	D	8.88	J	LDPR
SIB-049-TOB-0-1-10202022	Copper	220	B D	220	J	LDPR
SIB-049-TOB-0-1-10202022	Lead	345	D	345	J	MSH, MSL, MSP
SIB-049-TOB-0-1-10202022	Mercury	0.0896	--	0.0896	J	MSP
FD12-10202022	Arsenic	2.44	D	2.44	J	LDPR
FD12-10202022	Copper	22.8	B D	22.8	J	LDPR
FD12-10202022	Lead	26.8	D	26.8	J	MSH, MSL, MSP
FD12-10202022	Mercury	0.105	--	0.105	J	MSP
FD12-10202022	Aroclor 1260	3.4	J	3.4	J	FDPA
SIB-048-TOB-0-1-10242022	Arsenic	4.73	D	4.73	J	LDPR
SIB-048-TOB-0-1-10242022	Copper	32.8	B D	32.8	J	LDPR
SIB-048-TOB-0-1-10242022	Lead	58.5	D	58.5	J	MSH, MSL, MSP
SIB-048-TOB-0-1-10242022	Mercury	0.047	--	0.047	J	MSP
SIB-048-OHW-0-1-10242022	Arsenic	2.86	D	2.86	J	LDPR
SIB-048-OHW-0-1-10242022	Copper	33.2	B D	33.2	J	LDPR
SIB-048-OHW-0-1-10242022	Lead	40	D	40	J	MSH, MSL, MSP
SIB-048-OHW-0-1-10242022	Mercury	0.0405	--	0.0405	J	MSP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-048-OHW-0-1-10242022	Aroclor 1248	15.8	P1 D J	15.8	J	SSH
SIB-048-OHW-0-1-10242022	Aroclor 1254	17.6	D J	17.6	J	SSH
SIB-048-OHW-0-1-10242022	Aroclor 1260	51.7	D	51.7	J	SSH
SIB-048-MLW-0-1-10242022	Arsenic	2.56	D	2.56	J	LDPR
SIB-048-MLW-0-1-10242022	Copper	32	B D	32	J	LDPR
SIB-048-MLW-0-1-10242022	Lead	51.5	D	51.5	J	MSH, MSL, MSP
SIB-048-MLW-0-1-10242022	Mercury	0.0283	--	0.0283	J	MSP
SIB-047-TOB-0-1-10242022	Arsenic	5.1	D	5.1	J	LDPR
SIB-047-TOB-0-1-10242022	Copper	122	B D	122	J	LDPR
SIB-047-TOB-0-1-10242022	Lead	304	D	304	J	MSH, MSL, MSP
SIB-047-TOB-0-1-10242022	Mercury	0.0947	--	0.0947	J	MSP
SIB-047-OHW-0-1-10242022	Arsenic	2.36	D	2.36	J	LDPR
SIB-047-OHW-0-1-10242022	Copper	29.2	B D	29.2	J	LDPR
SIB-047-OHW-0-1-10242022	Lead	93.3	D	93.3	J	MSH, MSL, MSP
SIB-047-OHW-0-1-10242022	Mercury	0.0293	--	0.0293	J	MSP
SIB-047-OHW-0-1-10242022	Aroclor 1260	2940	D	2940	J	SSH
SIB-046-TOB-0-1-10242022	Arsenic	6.73	D	6.73	J	LDPR
SIB-046-TOB-0-1-10242022	Copper	156	B D	156	J	LDPR
SIB-046-TOB-0-1-10242022	Lead	84	D	84	J	MSH, MSL, MSP
SIB-046-TOB-0-1-10242022	Mercury	0.0415	--	0.0415	J	MSP
SIB-046-OHW-0-1-10242022	Arsenic	4.08	D	4.08	J	LDPR
SIB-046-OHW-0-1-10242022	Copper	50.9	B D	50.9	J	LDPR
SIB-046-OHW-0-1-10242022	Lead	85	D	85	J	MSH, MSL, MSP
SIB-046-OHW-0-1-10242022	Mercury	0.0486	--	0.0486	J	MSP
SIB-045-TOB-0-1-10242022	Arsenic	7.76	D	7.76	J	LDPR
SIB-045-TOB-0-1-10242022	Copper	38.7	B D	38.7	J	LDPR
SIB-045-TOB-0-1-10242022	Lead	23.4	D	23.4	J	MSH, MSL, MSP
SIB-045-OHW-0-1-10242022	Arsenic	615	D	615	J	LDPR

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-045-OHW-0-1-10242022	Copper	1580	B D	1580	J	LDPR
SIB-045-OHW-0-1-10242022	Lead	852	D	852	J	MSH, MSL, MSP
SIB-045-OHW-0-1-10242022	Mercury	1.23	--	1.23	J	MSP
SIB-045-OHW-0-1-10242022	Aroclor 1248	40.1	D	40.1	J	SSH
SIB-045-OHW-0-1-10242022	Aroclor 1254	111	P1 D	111	J	SSH
SIB-045-OHW-0-1-10242022	Aroclor 1260	94.7	D	94.7	J	SSH
SIB-044-TOB-0-1-10242022	Copper	581	D	581	J	LDPR
SIB-044-TOB-0-1-10242022	Lead	296	D	296	J	LDPR, MSP
SIB-044-TOB-0-1-10242022	Mercury	0.189	--	0.189	J	MSL,MSP
SIB-044-TOB-0-1-10242022	Aroclor 1262	2.9	D U	2.9	R	MSLX
SIB-044-TOB-0-1-10242022	Aroclor 1248	7.8	D U	7.8	R	MSLX
SIB-044-TOB-0-1-10242022	Aroclor 1254	90.2	D	90.2	J	SSH,MSLX,MSP
SIB-044-TOB-0-1-10242022	Aroclor 1260	207	P1 D	207	J	SSH,MSLX,MSP
SIB-044-TOB-0-1-10242022	Aroclor 1268	2.9	D U	2.9	R	MSLX
SIB-044-OHW-0-1-10242022	Arsenic	16	D	16	J	LDPR
SIB-044-OHW-0-1-10242022	Copper	198	B D	198	J	LDPR
SIB-044-OHW-0-1-10242022	Lead	75.3	D	75.3	J	MSH, MSL, MSP
SIB-044-OHW-0-1-10242022	Mercury	0.0657	--	0.0657	J	MSP
SIB-044-OHW-0-1-10242022	Aroclor 1254	33.7	D	33.7	J	SSH
SIB-044-OHW-0-1-10242022	Aroclor 1260	64.7	D	64.7	J	SSH
SIB-043-TOB-0-1-10242022	Copper	836	D	836	J	LDPR
SIB-043-TOB-0-1-10242022	Lead	26.9	D	26.9	J	LDPR, MSP
SIB-043-TOB-0-1-10242022	Mercury	0.00488	U	0.00488	UJ	MSL
SIB-043-TOB-0-1-10242022	Aroclor 1248	34	D	34	J	SSH
SIB-043-TOB-0-1-10242022	Aroclor 1254	45.7	D	45.7	J	SSH
SIB-043-TOB-0-1-10242022	Aroclor 1260	37	D	37	J	SSH
SIB-043-OHW-0-1-10242022	Copper	38.2	D	38.2	J	LDPR
SIB-043-OHW-0-1-10242022	Lead	60	D	60	J	LDPR, MSP

Sample	Analyte	Lab Value	Lab Qualifier	Validated Value	Validated Qualifier	Reason Code
SIB-043-OHW-0-1-10242022	Mercury	0.0777	--	0.0777	J	MSL,MSP
FD13-10242022	Copper	31.2	D	31.2	J	LDPR
FD13-10242022	Lead	27.7	D	27.7	J	LDPR, MSP
FD13-10242022	Mercury	0.127	--	0.127	J	MSL,MSP
SIB-042-OHW-0-1-10242022	Copper	349	D	349	J	LDPR
SIB-042-OHW-0-1-10242022	Lead	46.9	D	46.9	J	LDPR, MSP
SIB-042-OHW-0-1-10242022	Mercury	0.00446	U	0.00446	UJ	MSL
SIB-042-MLW--0-1-10242022	Copper	183	D	183	J	LDPR
SIB-042-MLW--0-1-10242022	Lead	46	D	46	J	LDPR, MSP
SIB-042-MLW--0-1-10242022	Mercury	0.0207	J	0.0207	J	MSL,MSP
SIB-041-OHW-0-1-10242022	Copper	37	D	37	J	LDPR
SIB-041-OHW-0-1-10242022	Lead	17.8	D	17.8	J	LDPR, MSP
SIB-041-OHW-0-1-10242022	Mercury	0.0417	--	0.0417	J	MSL,MSP
SIB-041-OHW-0-1-10242022	Aroclor 1260	8.1	--	8.1	J	SSH
SIB-041-MLW-0-1-10242022	Copper	207	D	207	J	LDPR
SIB-041-MLW-0-1-10242022	Lead	130	D	130	J	LDPR, MSP
SIB-041-MLW-0-1-10242022	Mercury	0.00449	U	0.00446	UJ	MSL
SIB-041-MLW-0-1-10242022	Aroclor 1248	9.3	D J	9.3	J	SSH
SIB-041-MLW-0-1-10242022	Aroclor 1254	33.4	D	33.4	J	SSH
SIB-041-MLW-0-1-10242022	Aroclor 1260	70.6	D	70.6	J	SSH
SIB-040-OHW-0-1-10242022	Copper	47.8	D	47.8	J	LDPR
SIB-040-OHW-0-1-10242022	Lead	21.3	D	21.3	J	LDPR, MSP
SIB-040-OHW-0-1-10242022	Mercury	0.0307	--	0.0307	J	MSL,MSP
SIB-040-MLW-0-1-10242022	Copper	33.7	D	33.7	J	LDPR
SIB-040-MLW-0-1-10242022	Lead	15.3	D	15.3	J	LDPR, MSP
SIB-040-MLW-0-1-10242022	Mercury	0.00639	U	0.00639	UJ	MSL