**Stage 2A Review**
**Data Quality Control (QC)**

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|---|---|
| Site: PHSS-SIB PDI | SDG #: Case 23C0692 |
| Laboratory: ARI | Date: 5/19/2023 |
| HydroGeoLogic, Inc. Reviewer: Deanna Valdebenito<br>Peer Reviewer: Ken Rapuano (5.24.23) | Project: DT2002 |

| Client Sample ID | Laboratory Sample ID | Analyses | Matrix |
|---|---|---|---|
| SIB-SW-WR198-030923 | 23C0692-01 | PCB Aroclors | Water |
| SIB-SW-WR186-030923 | 23C0692-02 | PCB Aroclors | Water |
| SIB-SW-WR15-030923 | 23C0692-03 | PCB Aroclors | Water |
| SIB-SW-WR428-030923 | 23C0692-04 | PCB Aroclors | Water |
| SIB-SW-WR71-030923 | 23C0692-05 | PCB Aroclors | Water |
| SIB-SW-WR30-030923 | 23C0692-06 | PCB Aroclors | Water |

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

Narrative and Completeness Review – An issue was noted where the initial and continuing calibrations were within method requirements except for CCV1 fails high for 1248 on zb5. All associated data is reported from zb35 as primary. Also, the internal standard areas which were within limits except for HBBP failing low for 23C0692-06 and ICV1 failing high on zb5. All associated data is reported from zb35 as primary. Both issues are outside of 2A validation's scope; no qualifications required. The narrative indicates that the samples were received after the holding time had expired; however, the holding time requirements of the QAPP were met.

*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 extractions and analyses were performed within the QAPP holding times.

*Qualification:* None required.

Method Blanks – All method blanks were free from contamination.

*Qualification:* None required.

Rinsate Blanks – No rinse blanks were submitted in association with aqueous samples.

*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 were within QAPP control limits.

*Qualification: None required*.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – An MS/MSD was not performed on this SDG.

*Qualification:* None required.

Field Duplicate – A field duplicate was not submitted with the samples in this SDG.

*Qualification:* None required.

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

*Qualification:* None required.

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/L):

| Sample | Analyte | Lab Value | Lab Qualifier | Validated Value | Validated Qualifier | Reason Code |
|---|---|---|---|---|---|---|
| SIB-SW-WR198-030923 | None required. | | | | | |
| SIB-SW-WR186-030923 | None required. | | | | | |
| SIB-SW-WR15-030923 | None required. | | | | | |
| SIB-SW-WR428-030923 | None required. | | | | | |
| SIB-SW-WR71-030923 | None required. | | | | | |
| SIB-SW-WR30-030923 | None required. | | | | | |